

EXHIBIT 13

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
1. A client device, the client device comprising:	<p>DoDots currently does not take a position as to whether the preamble of claim 1 is limiting. Notwithstanding this position, Best Buy sells, offers for sale, and markets a a client computing device comprising, electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor.</p> <p>Specifically, the client computing devices includes, but are not limited to the Samsung Galaxy Z Series Mobile Phones, Galaxy S Series Mobile Phones, Galaxy Note Series Mobile Phones, Galaxy A Series Mobile Phones, Galaxy M Series Mobile phones, and Galaxy Tab Series Tablets (collectively, "Accused Samsung Devices").</p>  <p>Source: CNET: "Here's every Galaxy S phone since 2010" accessed at https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/</p> <p>Additionally, with each device, Samsung launched and continues to operate, use, and sell an operating system customized from the Android OS (e.g. Android OS12, OS 11, QOS 10, Pie (9.0), Oreo (8.0), Nougat (7.0), Marshmallow (6.0), Lollipop (5.0), KitKat (4.4), Jellybean (4.3, 4.2 and 4.1), Ice Cream Sandwich (4.0), Honeycomb (3.0), Gingerbread (2.3), Froyo (2.2), Éclair</p>

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	<p>(2.1), Donut (1.6) (collectively, "the Samsung OS") along with other software (e.g., installers, the Play Store app, and the Galaxy App Store app) that are pre-installed or updated on each Accused Samsung Device (the "Accused Samsung Software"). Samsung programmed, customized, preinstalled, and developed the Accused Samsung Software specifically for its Accused Samsung Devices and is directly responsible for, and has direct control over the use of the Samsung OS along with other software.</p> <p>In summary, the Accused Samsung Devices and Samsung OS along with other software (collectively, the "Accused Instrumentalities") constitute the client computing device</p>
electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor, wherein the first networked	<p>The Accused Instrumentalities have electronic storage having stored thereon a plurality of networked information monitor templates defining a plurality of networked information monitors, the plurality of networked information monitor templates comprising a first networked information monitor template defining a first networked information monitor.</p> <p>Specifically, the electronic storage of the Accused Samsung Devices includes the flash memory, which can be seen on Samsung's website, which promotes the storage size of the Accused Samsung Devices, e.g., 128GB, highlight below:</p>

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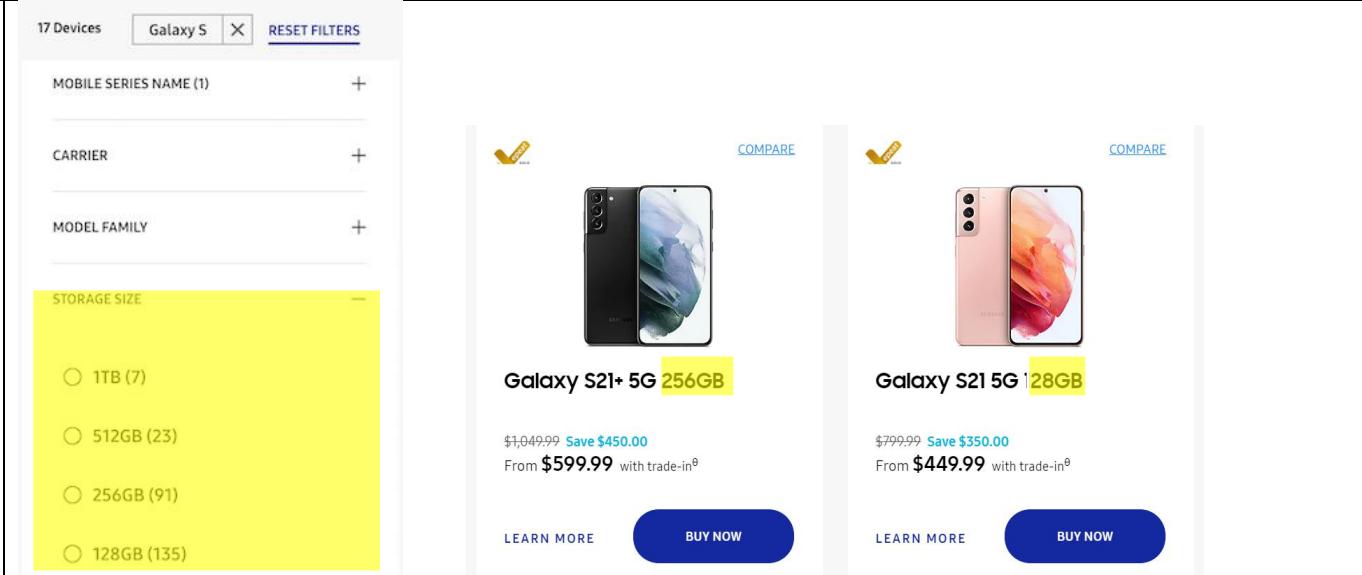
US 8,020,083	Accused Instrumentalities
<p>information monitor template comprises:</p>	 <p>The screenshot shows a search interface for Samsung mobile devices. The filters applied are 'Galaxy S' and 'Mobile Series Name (1)'. The 'Storage Size' filter is expanded, showing options: 1TB (7), 512GB (23), 256GB (91), and 128GB (135). The 1TB option is highlighted with a yellow box. Below the filters, two Galaxy S21 phones are displayed: a black one labeled 'Galaxy S21+ 5G 256GB' and a pink one labeled 'Galaxy S21 5G 128GB'. Each phone has a 'COMPARE' button above it and 'LEARN MORE' and 'BUY NOW' buttons below it. The prices are \$1,049.99 and \$799.99 respectively, with a note about saving \$450.00 and \$350.00 from a trade-in.</p> <p>Source: https://www.samsung.com/us/mobile/phones/galaxy-s/.</p> <p>Additionally, by looking into the settings of the Accused Instrumentalities and tapping on Battery and Device Care; then tapping on 'Storage' the electronic storage summary is displayed as shown in the image below left. Tapping on the 'Apps' button displays the storage used for each NIM template. This image shows a plurality of networked information monitor templates.</p>

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	<p>Additionally, Like the Samsung Galaxy S21, each of the other Accused Samsung Devices have flash memory that is electronic storage. Additionally, such electronic storage is shown, for</p>

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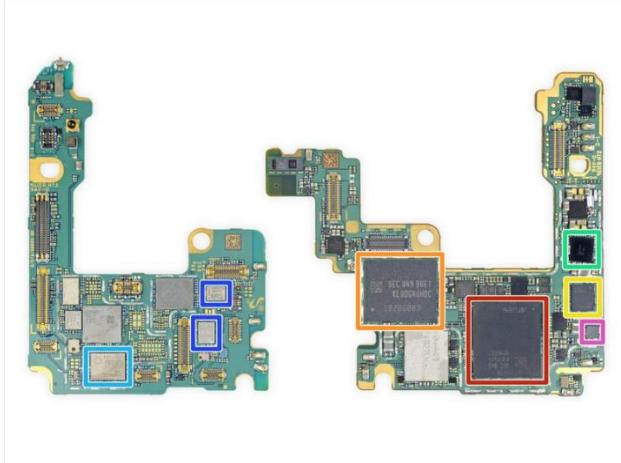
US 8,020,083	Accused Instrumentalities
	<p>example, by the following breakdown of the Samsung Galaxy S21 that shows flash storage:</p> <div data-bbox="599 300 1220 763">  </div> <ul style="list-style-type: none"> ● Do these boards look like howling dogs? Anyways, let's check out what makes this phone tick: ● Qualcomm Snapdragon 888 layered beneath Samsung K3LK4K40CM-BGCP 12 GB LPDDR5 RAM ● Samsung flash storage KLUDG4UHDC-B0E1 128 GB ● Qualcomm SMR526 5G modulator ● Maxim MAX77705C power management IC ● Qualcomm QPM5825 power management IC ● Qualcomm QDM5872 and QDM4820 Front-End Module ● Cirrus Logic CS35L40 audio amplifier IC <p>Source: https://www.ifixit.com/Teardown/Samsung+Galaxy+S21+Ultra+Teardown/141188</p> <p>And the electronic storage is configured to store networked information monitor template associated with a networked information monitor because it is able to store files after downloading various applications. For example, Samsung configured the Accused Samsung Devices to download apps through the Galaxy Store (seen in the screen shot below), which comes pre-installed on Samsung phones.</p>

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	 <p data-bbox="578 915 1938 1046">In the Galaxy Store app, a search for "weather" displays various weather apps. Scrolling down and the "Weather Channel for Samsung" app is visible, image below left, which can be clicked on for more details, below right. This provides an 'Install' button as seen below right.</p>

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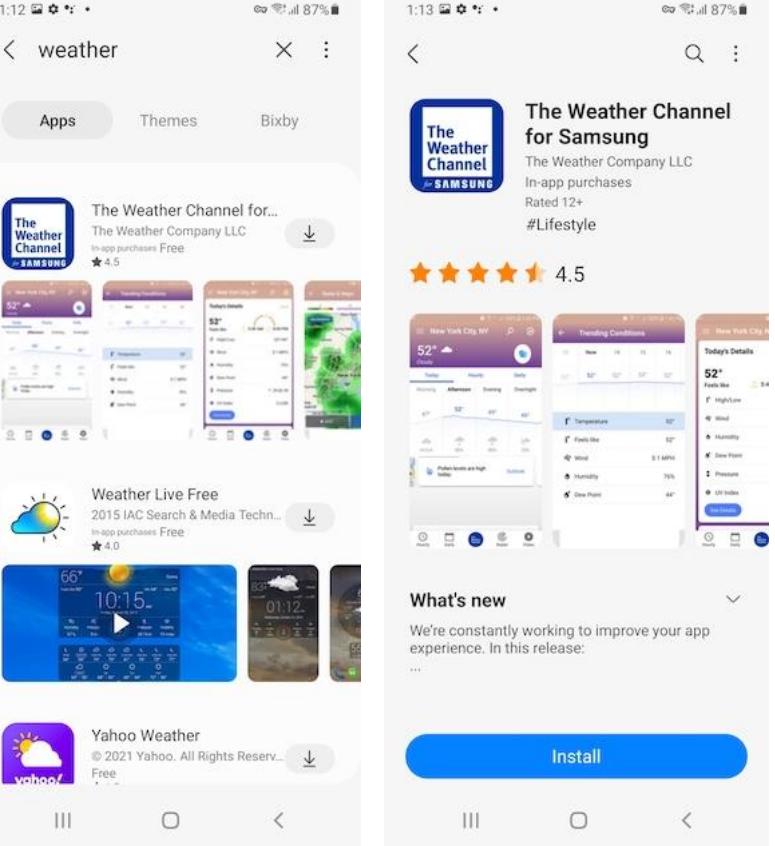
US 8,020,083	Accused Instrumentalities
	 <p>In this example, the “Weather Channel for Samsung” app is downloaded as an APK file. The APK files for the Samsung-Supported Apps includes definition of a viewer graphical user interface having a frame. In particular, the data structures define a viewer graphical user interface (e.g., a user interface presented on the screen) that may include menus, buttons, and other features.</p>

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	<p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
<p>(1) a content reference that comprises a network location at which content for the first networked information monitor is accessible via a TCP/IP protocol;</p>	<p>Accused Instrumentalities employs and provides for a networked information monitor template that includes a content reference that comprises a network location at which content for the first networked information monitor is accessible via a TCP/IP protocol.</p> <p>In the example below, the Accused Samsung Devices transmit, over a TCP/IP network to a web server at a network location, a content request for content that can be displayed within the frame of the viewer graphical user interface defined by the networked information monitor template.</p> <ul style="list-style-type: none"> • fennetic.net/irc/finney.org/~hal/home.html <p>Running the NIM/App on the Samsung device displays the content as shown below.</p>

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	 <p>7:43 95% Samsung Test App</p> <p>Hal Finney Home Page</p>  <p>Bio</p> <p>Born May 4, 1956. BS Engineering 1979, Calif.</p> <p>PGP</p> <p>I was one of the original programmers on PGI the program.</p> <p>Today, I work for PGP Corporation, developin</p> <p>RPOW</p> <p>I recently created the RPOW.NET server for at for more information on the concepts behind</p> <p>SSL Challenge</p> <p>NEXT</p> <p>Monitoring the network traffic during the load of this content reveals that a network request was initiated over TCP/IP and content was received as shown in the image below of the 'Network Inspector' analysis tool which is part of the Android Studio development suite.</p>

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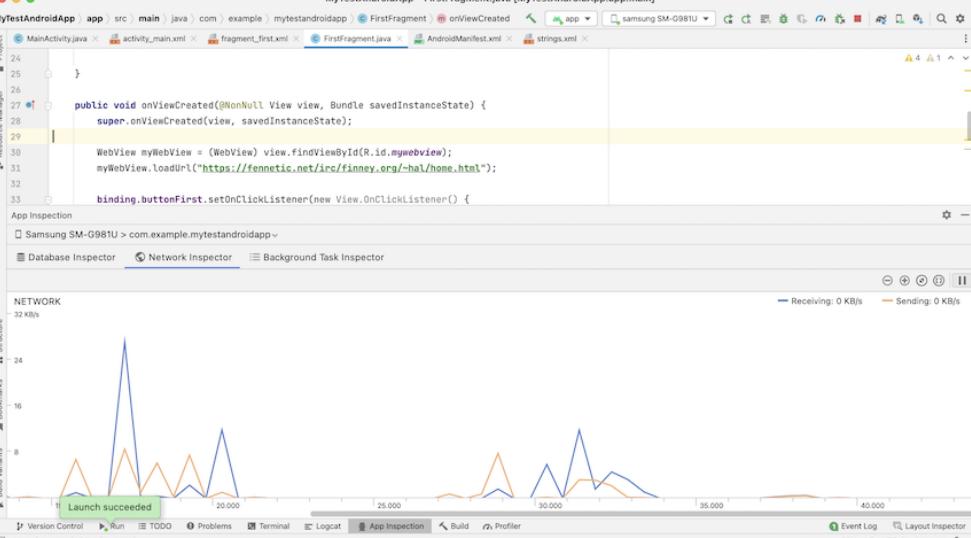
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	 <p>As another example, screenshot below shows the screen that is displayed when a user taps to install the Weather Channel for Samsung app from the Galaxy Store app.</p>

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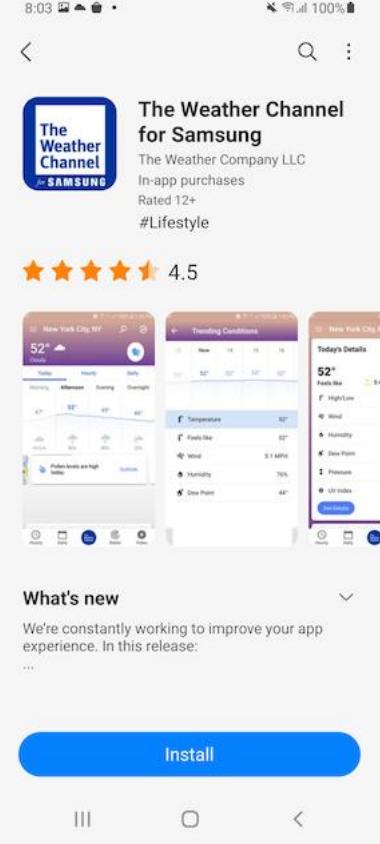
US 8,020,083	Accused Instrumentalities
	 <p>The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p>

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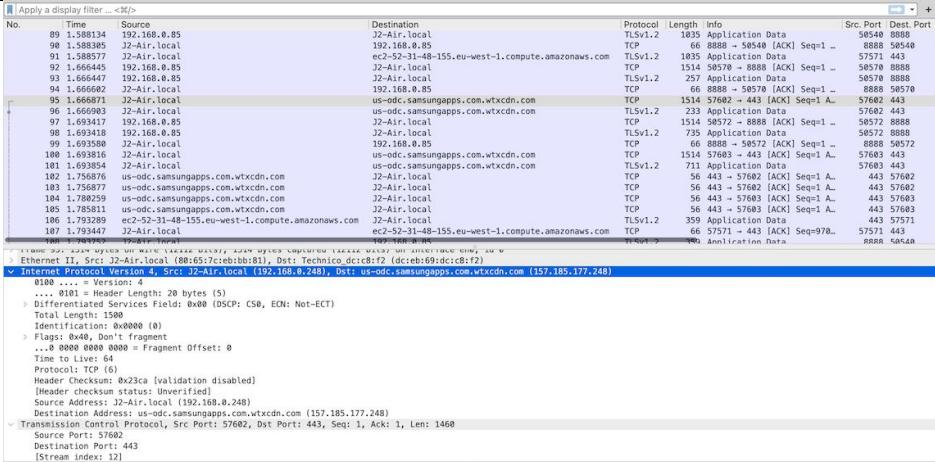
US 8,020,083	Accused Instrumentalities
	 <p>One installed, we run the Weather Channel for Samsung app for the first time. This results in the following TCP/IP network traffic. For this example, the proxy server is IP address 192.168.0.248 and the Samsung Device is running on IP address 192.168.0.85. These TCP/IP packets resulting from running the app are shown in the following three Wireshark screenshots.</p>

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<p>lacks controls for manually navigating a network, and that includes a frame within which content received from the network location can be displayed, and frame characteristics defining one or more a color, a size, or a position on the electronic display of the frame; and</p>	<p>received from the network can be displayed, and frame characteristics defining one or more [of] a color, a size, or a position on the electronic display of the frame.</p> <p>In Android development the UI is created using “Layouts” which define ‘Views’ which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul style="list-style-type: none"> “A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of View and ViewGroup objects. A View usually draws something the user can see and interact with.” <p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> “<i>Declare UI elements in XML. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i> <p><i>You can also use Android Studio's Layout Editor to build your XML layout using a drag-and-drop interface.</i>”</p> <ul style="list-style-type: none"> “<i>Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations</i>” “<i>The Android framework gives you the flexibility to use either or both of these methods to build your app's UI. For example, you can declare your app's default layouts in XML, and then modify the layout at runtime.</i>” “<i>Write the XML. Using Android's XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML</i>” <p>When developing for Android using Android Studio, Layouts are represented in the .apk file as XML.</p>

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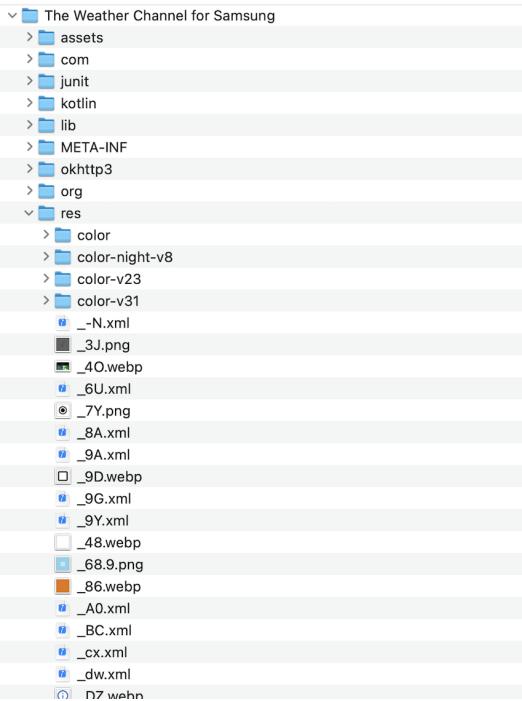
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	<p>An APK file is a zipped file containing all the project resources. By renaming these files as zip files (changing the file extension from .apk to .zip) the files can be unzipped. After unzipping the apk file, the contents can be viewed as a directory as shown in the image below. Note the resources in the /res directory. These are images used for the UI as well as XML files defining the UI in the NIM template.</p>  <p>The XML files from the above directory listing are encoded in a binary format, however, they can be inspected using Android Studio. The APK files can be opened in Android Studio and inspected via the <i>“Profile or Debug APK”</i> feature. The .apk file corresponding to the Weather</p>

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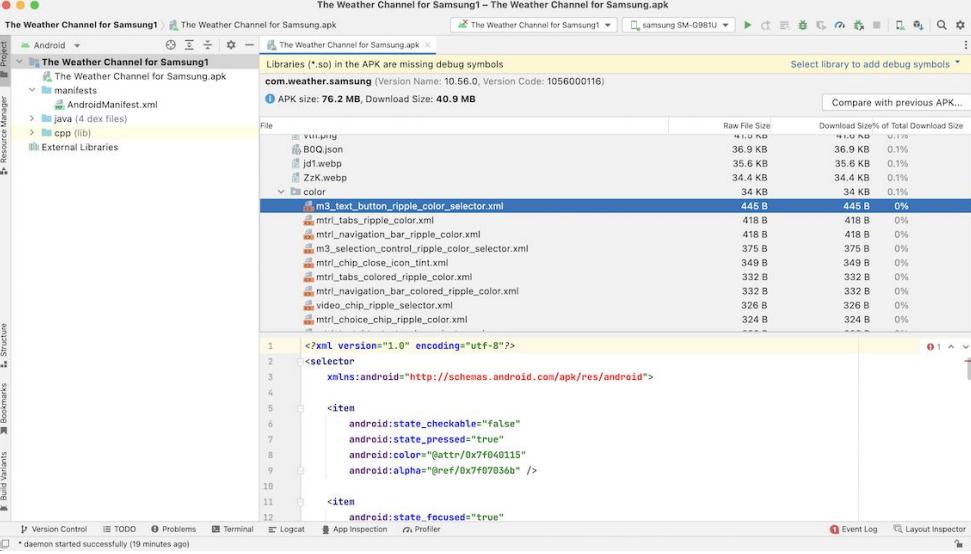
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	<p>Channel App for Samsung can be opened using this capability which displays the contents of the NIM template as shown below.</p>  <pre data-bbox="593 926 1564 943"> <?xml version="1.0" encoding="utf-8"?> <selector xmlns:android="http://schemas.android.com/apk/res/android"> <item android:state_checkable="false" android:state_pressed="true" android:color="@attr/0x7f040115" android:alpha="@ref/0x7f07036b" /> <item android:state_focused="true" android:color="@attr/0x7f07036b" /> </pre> <p>Zooming in we can view the XML resource which defines the color of a UI element.</p>

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	<p>File</p> <p>color</p> <ul style="list-style-type: none"> m3_text_button_ripple_color_selector.xml mtrl_tabs_ripple_color.xml mtrl_navigation_bar_ripple_color.xml m3_selection_control_ripple_color_selector.xml mtrl_chip_close_icon_tint.xml mtrl_tabs_colored_ripple_color.xml mtrl_navigation_bar_colored_ripple_color.xml video_chip_ripple_selector.xml mtrl_choice_chip_ripple_color.xml mtrl_text_btn_text_color_selector.xml mtrl_fab_ripple_color.xml mtrl_btn_ripple_color.xml <p>Raw File Size Download Size% of Total Download Size</p> <table> <tbody> <tr><td>34 KB</td><td>34 KB</td><td>0.1%</td></tr> <tr><td>445 B</td><td>445 B</td><td>0%</td></tr> <tr><td>418 B</td><td>418 B</td><td>0%</td></tr> <tr><td>418 B</td><td>418 B</td><td>0%</td></tr> <tr><td>375 B</td><td>375 B</td><td>0%</td></tr> <tr><td>349 B</td><td>349 B</td><td>0%</td></tr> <tr><td>332 B</td><td>332 B</td><td>0%</td></tr> <tr><td>332 B</td><td>332 B</td><td>0%</td></tr> <tr><td>326 B</td><td>326 B</td><td>0%</td></tr> <tr><td>324 B</td><td>324 B</td><td>0%</td></tr> <tr><td>323 B</td><td>323 B</td><td>0%</td></tr> <tr><td>322 B</td><td>322 B</td><td>0%</td></tr> <tr><td>322 B</td><td>322 B</td><td>0%</td></tr> </tbody> </table> <p>APK Project</p> <pre> 1 <?xml version="1.0" encoding="utf-8"?> 2 <selector 3 xmlns:android="http://schemas.android.com/apk/res/android" 4 5 <item 6 android:state_checkable="false" 7 android:state_pressed="true" 8 android:color="@attr/0x7f040115" 9 android:alpha="@ref/0x7f07036b" /> 10 11 <item 12 android:state_focused="true" </pre> <p>Emulator Device File Explorer</p>	34 KB	34 KB	0.1%	445 B	445 B	0%	418 B	418 B	0%	418 B	418 B	0%	375 B	375 B	0%	349 B	349 B	0%	332 B	332 B	0%	332 B	332 B	0%	326 B	326 B	0%	324 B	324 B	0%	323 B	323 B	0%	322 B	322 B	0%	322 B	322 B	0%
34 KB	34 KB	0.1%																																						
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Images are also included. Note the inclusion of WebP (an image format) images as shown in the image below:

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	<p>File</p> <pre> > lib res xql.webp Bfr.webp OAx.webp x4k.webp hSe.webp _4O.webp P7-.gif H_o.webp 1wd.webp sq_.webp hv7.gif </pre> <p>Raw File Size Download Size% of Total Download Size</p> <table> <tbody> <tr> <td>44.8 MB</td> <td>16.1 MB</td> <td>39.4%</td> </tr> <tr> <td>7.5 MB</td> <td>7.3 MB</td> <td>17.8%</td> </tr> <tr> <td>314.6 KB</td> <td>314.7 KB</td> <td>0.8%</td> </tr> <tr> <td>295 KB</td> <td>292.3 KB</td> <td>0.7%</td> </tr> <tr> <td>255.4 KB</td> <td>250.2 KB</td> <td>0.6%</td> </tr> <tr> <td>202.4 KB</td> <td>202.5 KB</td> <td>0.5%</td> </tr> <tr> <td>203.4 KB</td> <td>202 KB</td> <td>0.5%</td> </tr> <tr> <td>171 KB</td> <td>171 KB</td> <td>0.4%</td> </tr> <tr> <td>151.3 KB</td> <td>144.2 KB</td> <td>0.3%</td> </tr> <tr> <td>125.2 KB</td> <td>125.3 KB</td> <td>0.3%</td> </tr> <tr> <td>123.9 KB</td> <td>123.1 KB</td> <td>0.3%</td> </tr> <tr> <td>117.7 KB</td> <td>117.7 KB</td> <td>0.3%</td> </tr> <tr> <td>215.8 KB</td> <td>114.4 KB</td> <td>0.3%</td> </tr> </tbody> </table> <p>708x524 WEBP (32-bit color) 261.5 kB</p> <p>APK Project</p> <p>Emulator Device File Explorer</p>  <p>References</p> <ul style="list-style-type: none"> https://developer.android.com/develop/ui/views/layout/declaring-layout https://developer.android.com/studio/profile/apk-profiler https://developer.android.com/studio <p>In the following example, the resource defines a frame as part of the NIM template:</p>	44.8 MB	16.1 MB	39.4%	7.5 MB	7.3 MB	17.8%	314.6 KB	314.7 KB	0.8%	295 KB	292.3 KB	0.7%	255.4 KB	250.2 KB	0.6%	202.4 KB	202.5 KB	0.5%	203.4 KB	202 KB	0.5%	171 KB	171 KB	0.4%	151.3 KB	144.2 KB	0.3%	125.2 KB	125.3 KB	0.3%	123.9 KB	123.1 KB	0.3%	117.7 KB	117.7 KB	0.3%	215.8 KB	114.4 KB	0.3%
44.8 MB	16.1 MB	39.4%																																						
7.5 MB	7.3 MB	17.8%																																						
314.6 KB	314.7 KB	0.8%																																						
295 KB	292.3 KB	0.7%																																						
255.4 KB	250.2 KB	0.6%																																						
202.4 KB	202.5 KB	0.5%																																						
203.4 KB	202 KB	0.5%																																						
171 KB	171 KB	0.4%																																						
151.3 KB	144.2 KB	0.3%																																						
125.2 KB	125.3 KB	0.3%																																						
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	 <pre data-bbox="608 864 1182 1424"> <?xml version="1.0" encoding="utf-8"?> <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto" android:background="@ref/0x0106000b" android:layout_width="-1" android:layout_height="-1"> <ScrollView android:gravity="0x11" android:id="@ref/0x7f0a08fc" android:paddingLeft="dimension(5121)" android:paddingTop="dimension(6145)" android:paddingRight="dimension(2561)" android:scrollbars="0x0" android:layout_width="-1"> </pre>

Viewing the contents of the XML file, one sees how the frame definition of the NIM Template on the Accused Samsung Device, defines various UI elements including the frame size, color and layouts of the various elements within this frame.

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@ref/0x0106000b"
    android:layout_width="-1"
    android:layout_height="-1">

    <ScrollView
        android:gravity="0x11"
        android:id="@ref/0x7f0a08fc"
        android:paddingLeft="dimension(5121)"
        android:paddingTop="dimension(6145)"
        android:paddingRight="dimension(2561)"
        android:scrollbars="0x0"
        android:layout_width="-1">

```

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	<pre> android:layout_width="-1" android:layout_height="-1"> <androidx.constraintlayout.widget.ConstraintLayout android:orientation="1" android:id="@ref/0x7f0a08f4" android:paddingBottom="dimension(51201)" android:layout_width="-1" android:layout_height="-2"> <TextView android:textSize="dimension(6146)" android:ellipsize="3" android:id="@ref/0x01020016" android:layout_width="-2" android:layout_height="-2" android:layout_marginLeft="dimension(1281)" android:layout_marginRight="dimension(1281)" android:text="@ref/0x7f120856" android:maxLines="2" android:layout_marginHorizontal="dimension(1281)" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toTopOf="0" style="@ref/0x7f1306a7" /> <TextView android:textSize="dimension(4098)" android:id="@ref/0x7f0a096f" android:layout_height="-2" android:layout_marginTop="dimension(1025)" android:text="@ref/0x7f1208bd" android:layout_marginStart="@ref/0x7f07064f" android:layout_marginEnd="@ref/0x7f07064e" app:layout_constrainedWidth="true" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x01020016" style="@ref/0x7f1306a6" /> <TextView android:id="@ref/0x7f0a0a2d" android:visibility="1" android:text="@ref/0x7f120290" app:layout_constraintEnd_toEndOf="@ref/0x7f0a0426" </pre>

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	<pre> app:layout_constraintStart_toStartOf="@ref/0x7f0a096f" app:layout_constraintTop_toBottomOf="@ref/0x7f0a096f" style="@ref/0x7f13027c" /> <TextView android:id="@ref/0x7f0a042a" android:layout_marginTop="dimension(4097)" android:text="@ref/0x7f1202fd" android:labelFor="@ref/0x7f0a0427" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a2d" style="@ref/0x7f1306a1" /> <com.google.android.material.card.MaterialCardView android:id="@ref/0x7f0a01c7" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0426" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a042a" style="@ref/0x7f1306a2"> <EditText android:id="@ref/0x7f0a0427" android:maxLength="32" android:inputType="0x61" style="@ref/0x7f13069f" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@ref/0x7f0a0426" android:contentDescription="@ref/0x7f1208b2" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c7" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01c7" style="@ref/0x7f1306a3" /> <TextView android:id="@ref/0x7f0a0429" android:visibility="1" android:layout_width="dimension(1)" android:text="@ref/0x7f1208b1" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c7" style="@ref/0x7f1306a0" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> <TextView android:id="@+id/textView1" android:layout_marginTop="@+id/textView2" android:text="@+id/textView3" android:labelFor="@+id/editText1" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/editText1" style="@+id/style1" /> <com.google.android.material.card.MaterialCardView android:id="@+id/cardView1" app:layout_constraintEnd_toStartOf="@+id/textView4" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/textView5" style="@+id/style2"> <EditText android:id="@+id/editText1" android:inputType="text" style="@+id/style3" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@+id/imageView1" android:contentDescription="@+id/textView6" app:layout_constraintBottom_toBottomOf="@+id/cardView1" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@+id/textView4" style="@+id/style4" /> <TextView android:id="@+id/textView4" android:layout_width="wrap_content" android:text="@+id/textView7" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/cardView1" style="@+id/style5" /> <TextView android:id="@+id/textView2" android:layout_marginTop="@+id/textView3" android:text="@+id/textView8" android:labelFor="@+id/editText1" style="@+id/style6" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:labelFor="@ref/0x7f0a0296" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b3" style="@ref/0x7f1306a1" /> <com.google.android.material.card.MaterialCardView android:id="@ref/0x7f0a01a9" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0295" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0298" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputEditText android:id="@ref/0x7f0a0296" android:longClickable="false" android:inputType="0x21" android:textIsSelectable="false" style="@ref/0x7f13069f" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@ref/0x7f0a0295" android:contentDescription="@ref/0x7f1208a8" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01a9" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01a9" style="@ref/0x7f1306a3" /> <TextView android:id="@ref/0x7f0a0297" android:layout_width="dimension(1)" android:text="@ref/0x7f1208ac" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01a9" style="@ref/0x7f1306a0" /> <TextView android:id="@ref/0x7f0a0703" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208b8" android:labelFor="@ref/0x7f0a06fe" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0297" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> style="@ref/0x7f1306a1" /> <androidx.cardview.widget.CardView android:id="@ref/0x7f0a01cf" app:layout_constraintEnd_toStartOf="@ref/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0703" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@ref/0x7f0a0701" android:layout_width="-1" android:layout_height="-2" app:hintEnabled="false" app:passwordToggleEnabled="true" app:passwordToggleTint="@ref/0x7f0601d2"> <com.weather.Weather.ui.WeatherEditText android:id="@ref/0x7f0a06ff" android:maxLength="64" app:passwordToggleEnabled="true" app:passwordToggleTint="@ref/0x7f0601d2" style="@ref/0x7f1303ff" /> </com.google.android.material.textfield.TextInputLayout> </androidx.cardview.widget.CardView> <ImageView android:id="@ref/0x7f0a06fd" android:contentDescription="@ref/0x7f1208bb" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01cf" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a3" /> <TextView android:textStyle="0x0" android:textColor="@ref/0x7f06048a" android:id="@ref/0x7f0a0704" android:visibility="0" android:layout_width="dimension(1)" android:text="@ref/0x7f120605" android:contentDescription="@ref/0x7f120606" app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159" app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /> <TextView android:id="@ref/0x7f0a0700" android:visibility="2" android:layout_width="dimension(1)" android:text="@ref/0x7f120605" android:contentDescription="@ref/0x7f120606" app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159" app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /> <androidx.constraintlayout.widget.Barrier android:id="@ref/0x7f0a0159" android:layout_width="-2" android:layout_height="-2" app:barrierDirection="3" app:constraint_referenced_ids="password_suggestion_textView,password_error_textView" /> <TextView android:id="@ref/0x7f0a02a0" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208a9" android:labelFor="@ref/0x7f0a029b" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0159" style="@ref/0x7f1306a1" /> <androidx.cardview.widget.CardView android:id="@ref/0x7f0a01aa" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0299" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a02a0" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@ref/0x7f0a029e" android:layout_width="-1" android:layout_height="-2" app:hintEnabled="false" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2"> <com.google.android.material.textfield.TextInputEditText android:id="@ref/0x7f0a029b" android:longClickable="false" android:maxLength="64" android:textIsSelectable="false" app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2" style="@ref/0x7f1303ff" /> </com.google.android.material.textfield.TextInputLayout> </androidx.cardview.widget.CardView> <ImageView android:id="@ref/0x7f0a0299" android:contentDescription="@ref/0x7f1208ab" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01aa" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01aa" style="@ref/0x7f1306a3" /> <TextView android:id="@ref/0x7f0a029d" android:layout_width="dimension(1)" android:text="@ref/0x7f1208b5" app:layout_constrainedWidth="true" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01aa" style="@ref/0x7f1306a0" /> <TextView android:id="@ref/0x7f0a0457" android:layout_width="-2" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f120332" android:labelFor="@ref/0x7f0a0454" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a029d" style="@ref/0x7f1306a1" /> <ImageView android:id="@ref/0x7f0a045b" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:layout_width="dimension(4097)" android:layout_height="dimension(4097)" android:layout_marginTop="dimension(1025)" android:src="@ref/0x7f080274" android:contentDescription="@ref/0x7f1203a6" android:layout_marginStart="dimension(2561)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0457" app:layout_constraintStart_toEndOf="@ref/0x7f0a0457" /> <com.google.android.material.card.MaterialCardView android:id="@ref/0x7f0a01c8" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0453" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0457" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@ref/0x7f0a0455" app:boxBackgroundColor="@ref/0x0106000d" app:boxStrokeWidth="dimension(1)" app:endIconDrawable="@ref/0x7f080228" app:endIconTint="@ref/0x7f0601d2" style="@ref/0x7f130402"> <com.weather.Weather.ui.KeyValueDropDownView android:textColor="@ref/0x7f0604ff" android:id="@ref/0x7f0a0454" android:background="@ref/0x00000000" android:inputType="0x1" style="@ref/0x7f130400" /> </com.google.android.material.textfield.TextInputLayout> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@ref/0x7f0a0453" android:contentDescription="@ref/0x7f1208b3" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c8" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01c8" style="@ref/0x7f1306a3" /> <CheckBox android:gravity="0x30" android:id="@ref/0x7f0a08f3" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:paddingTop="dimension(769)" android:layout_width="-2" android:layout_height="-2" android:layout_marginTop="@ref/0x7f070642" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c8" style="@ref/0x7f1306a6" /> <TextView android:id="@ref/0x7f0a01e7" android:layout_width="dimension(1)" android:layout_height="-2" android:layout_marginStart="dimension(1793)" android:layout_marginEnd="@ref/0x7f07064e" android:labelFor="@ref/0x7f0a08f3" app:layout_constrainedWidth="true" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a08f3" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toEndOf="@ref/0x7f0a08f3" app:layout_constraintTop_toTopOf="@ref/0x7f0a08f3" /> <TextView android:id="@ref/0x7f0a0a35" android:layout_marginTop="dimension(1537)" android:text="@ref/0x7f1208c3" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01e7" style="@ref/0x7f1306a0" /> <Button android:textColor="@ref/0x7f060501" android:id="@ref/0x7f0a0192" android:background="@ref/0x7f080071" android:layout_marginTop="dimension(7681)" android:text="@ref/0x7f120850" android:key="sign_up_button" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a35" style="@ref/0x7f130004" /> <TextView android:id="@ref/0x7f0a0122" android:layout_width="-2" android:layout_marginTop="@ref/0x7f070642" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:text="@ref/0x7f1206c9" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0192" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a05a6" android:text="@ref/0x7f12083b" android:layout_marginStart="dimension(2049)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0122" app:layout_constraintStart_toEndOf="@ref/0x7f0a0122" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f0601c2" android:id="@ref/0x7f0a017b" android:visibility="2" android:layout_width="-1" android:layout_marginTop="@ref/0x7f070642" android:layout_marginStart="@ref/0x7f07064f" android:layout_marginEnd="@ref/0x7f07064e" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0122" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a09bd" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208c4" android:paddingEnd="dimension(2561)" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a017b" style="@ref/0x7f1306a6" /> <TextView android:id="@ref/0x7f0a038e" android:text=" " android:importantForAccessibility="2" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd" app:layout_constraintStart_toEndOf="@ref/0x7f0a09bd" app:layout_constraintTop_toTopOf="@ref/0x7f0a09bd" style="@ref/0x7f1306a6" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a0787" android:text="@ref/0x7f1208be" android:paddingStart="dimension(2561)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd" app:layout_constraintStart_toEndOf="@ref/0x7f0a038e" style="@ref/0x7f1306a6" /> </androidx.constraintlayout.widget.ConstraintLayout> </ScrollView> <ProgressBar android:layout_gravity="0x11" android:id="@ref/0x7f0a0792" android:visibility="1" android:layout_width="@ref/0x7f070691" android:layout_height="@ref/0x7f070691" android:contentDescription="@ref/0x7f1208f8" android:indeterminateTint="@ref/0x7f06045f" /> </FrameLayout> </pre> <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
(3) instructions configured (i) to cause the first networked information monitor to request content from the network location in the content reference via the TCP/IP protocol, and (ii)	As shown below, the APK file of each and every application in the App store is approved by Samsung in order to be available in the App store. Each such APK file in an accused Samsung Device employs and provides instructions configured to cause the first networked information monitor to request content from the network location in the content reference via the TCP/IP protocol, and to cause the first networked information monitor to generate the graphical user interface of the first networked information monitor with the content received from the network location via the TCP/IP protocol within the frame. The APK file is transferred to the

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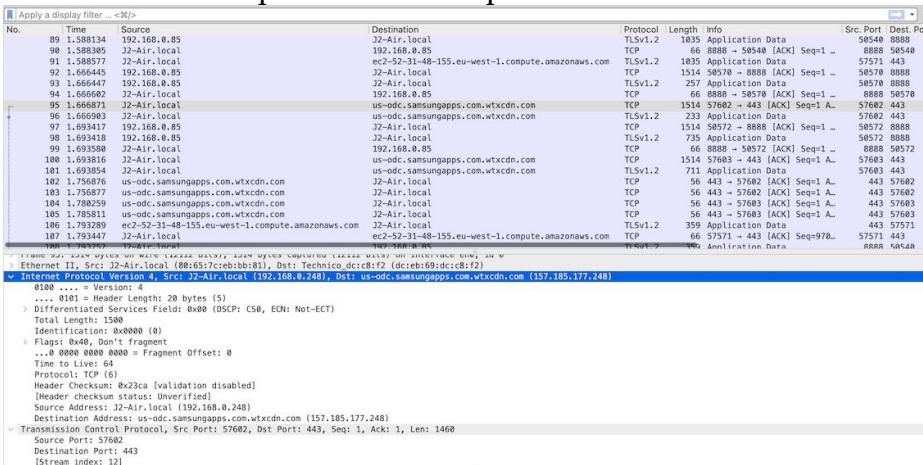
US 8,020,083	Accused Instrumentalities
<p>to cause the first networked information monitor to generate the graphical user interface of the first networked information monitor with the content received from the network location via the TCP/IP protocol within the frame;</p>	<p>client device and the operating system installer constructs the instance of the app on the client computing device.</p> <p>In the example below we downloaded and installed the Weather Channel for Samsung app from the Galaxy app store with Location services disabled on the device (using Settings).</p> <p>As with usual app installs, we are notified of location access requirements and prompted to allow location access, as shown below.</p> <p>The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p> 

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

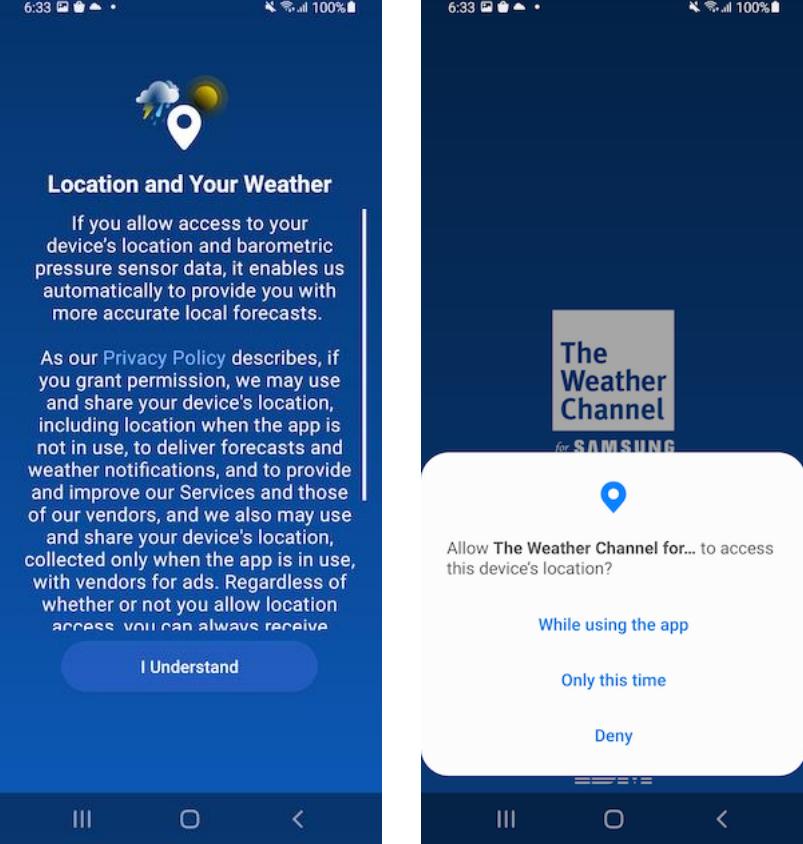
US 8,020,083	Accused Instrumentalities
	 <p data-bbox="587 1188 1932 1269">However, since our location services were disabled, we are prompted with a message that app capabilities will be impaired without location access.</p>

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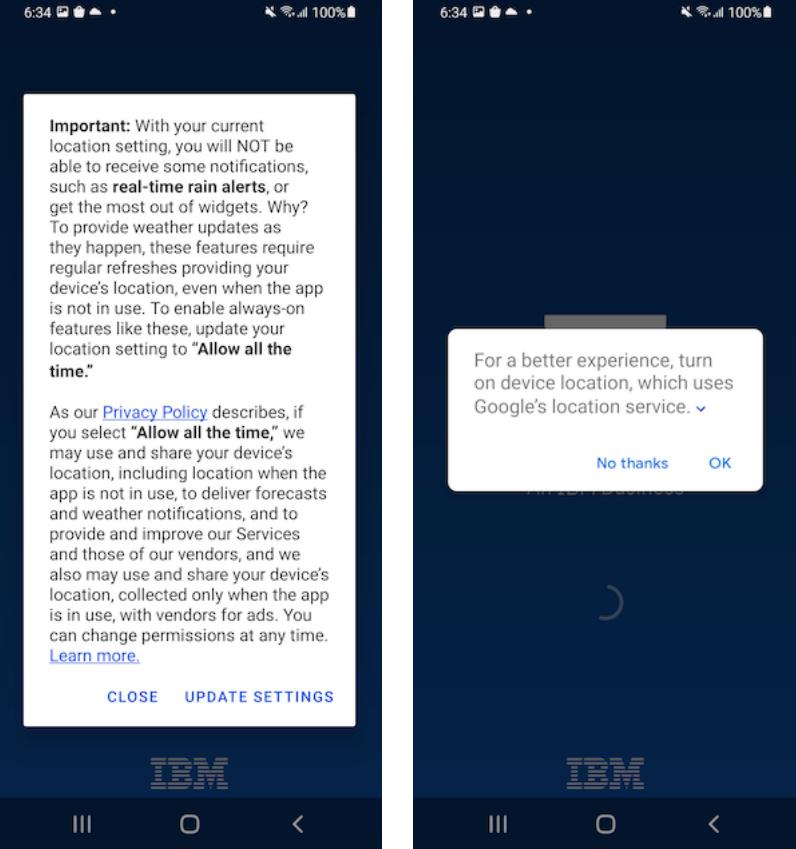
US 8,020,083	Accused Instrumentalities
	 <p data-bbox="593 1139 1902 1269">Important: With your current location setting, you will NOT be able to receive some notifications, such as real-time rain alerts, or get the most out of widgets. Why? To provide weather updates as they happen, these features require regular refreshes providing your device's location, even when the app is not in use. To enable always-on features like these, update your location setting to "Allow all the time".</p> <p data-bbox="635 649 931 910">As our Privacy Policy describes, if you select "Allow all the time," we may use and share your device's location, including location when the app is not in use, to deliver forecasts and weather notifications, and to provide and improve our Services and those of our vendors, and we also may use and share your device's location, collected only when the app is in use, with vendors for ads. You can change permissions at any time. Learn more.</p> <p data-bbox="699 931 925 951">CLOSE UPDATE SETTINGS</p> <p data-bbox="1094 589 1326 654">For a better experience, turn on device location, which uses Google's location service. ▾</p> <p data-bbox="1184 698 1326 714">No thanks OK</p>

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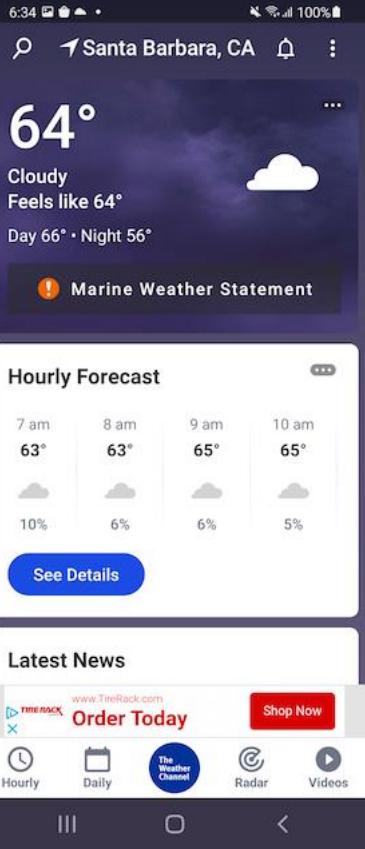
US 8,020,083	Accused Instrumentalities
	 <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

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US 8,020,083	Accused Instrumentalities
an electronic display; and	<p>In the examples below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides an electronic display.</p> <p>Current and Historical Galaxy Phone screens:</p>  <p>Source: CNET: "Here's every Galaxy S phone since 2010" accessed at (https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/)</p>
one or more processors configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on	<p>The Accused Instrumentalities employs and provides one or more processors configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on the electronic display having content received from the content reference therein.</p> <p>Current Galaxy Phone processors are shown below.</p>

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<p>US 8,020,083</p> <p>the electronic display having content received from the content reference therein.</p>	<p style="text-align: center;">Accused Instrumentalities</p> <div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc; border-radius: 5px;"> <p style="margin: 0;">Processor / Mobile Processor</p> <p style="margin: 0; font-size: 0.8em; text-align: center;">Overview Features Product Finder Applications Related Contents Showcase</p> <p style="margin: 10px 0; text-align: center;">Latest Mobile Processors</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center; width: 45%;">  <p>Exynos 2200 Playtime is over</p> <p>Learn more</p> </div> <div style="text-align: center; width: 45%;">  <p>Exynos 1280 5G for everyone</p> <p>Learn more</p> </div> </div> <div style="margin-top: 20px;">  <p>Exynos 850 A versatile processor you can trust</p> <p>Learn more</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>Exynos 2200</p> </div> <div style="text-align: center;">  <p>Exynos 1280</p> </div> <div style="text-align: center;">  <p>Exynos 2100</p> </div> <div style="text-align: center;">  <p>Exynos 1080</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="width: 25%;"> <p>Category: Mobile</p> <p>Model: Exynos 2200</p> <p>Multi-core: Octa</p> </div> <div style="width: 25%;"> <p>Part Number: 5SE925</p> <p>Process: 4nm</p> <p>CPU (Main): Single-core (Cortex®-X2)</p> </div> <div style="width: 25%;"> <p>Category: Mobile</p> <p>Model: Exynos 1280</p> <p>Multi-core: Octa</p> </div> <div style="width: 25%;"> <p>Part Number: 5SE8825</p> <p>Process: 5nm</p> <p>CPU (Main): Dual-core (Cortex®-A78)</p> </div> <div style="width: 25%;"> <p>Category: Mobile</p> <p>Model: Exynos 2100</p> <p>Multi-core: Octa</p> </div> <div style="width: 25%;"> <p>Part Number: 5SE9840</p> <p>Process: 5nm FinFET</p> <p>CPU (Main): 2.9GHz Single-core (Cortex®-X1)</p> </div> <div style="width: 25%;"> <p>Category: Mobile</p> <p>Model: Exynos 1080</p> <p>Multi-core: Octa</p> </div> <div style="width: 25%;"> <p>Part Number: 5SE9815</p> <p>Process: 5nm FinFET</p> <p>CPU (Main): 2.8GHz Dual-core (Cortex®-A78)</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Learn more</p> <p>Compare</p> </div> <div style="text-align: center;"> <p>Learn more</p> <p>Compare</p> </div> <div style="text-align: center;"> <p>Learn more</p> <p>Compare</p> </div> <div style="text-align: center;"> <p>Learn more</p> <p>Compare</p> </div> </div> </div>
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US 8,020,083	Accused Instrumentalities							
	 Exynos 880	 Exynos 850	 Exynos 990	 Exynos 980	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610
	Category Mobile	Part Number SS68805	Category Mobile	Part Number SS68830	Category Mobile	Part Number SS69830	Category Mobile	Part Number SS69830
	Model Exynos 880	Process 8nm FinFET	Model Exynos 850	Process 8nm FinFET	Model Exynos 990	Process 7nm FinFET	Model Exynos 980	Process 8nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A77 2.0GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A55	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A77 2.2GHz Dual
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	

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US 8,020,083	Accused Instrumentalities							
	 Exynos 9609	 Exynos 7904	 Exynos 7884	 Exynos 9810				
	Category Mobile	Part Number SS89609	Category Mobile	Part Number SS87904	Category Mobile	Part Number SS87885	Category Mobile	Part Number SS89810
	Model Exynos 9609	Process 10nm FinFET	Model Exynos 7904	Process 14nm FinFET	Model Exynos 7884	Process 14nm FinFET	Model Exynos 9810	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A73 2.2GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 1.8GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A73 1.6GHz Dual	Multi-core Octa	CPU (Main) Custom CPU 2.9GHz Quad
		Learn more		Learn more		Learn more		Learn more
		Compare		Compare		Compare		Compare
	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610				
	Category Mobile	Part Number SS89825	Category Mobile	Part Number SS89820	Category Mobile	Part Number SS89611	Category Mobile	Part Number SS89610
	Model Exynos 9825	Process 7nm FinFET	Model Exynos 9820	Process 8nm LPP FinFET	Model Exynos 9611	Process 10nm FinFET	Model Exynos 9610	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad
		Learn more		Learn more		Learn more		Learn more
		Compare		Compare		Compare		Compare

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities																			
	 <p>Exynos 9609</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5P9609</td> </tr> </tbody> </table> <p>Model: Exynos 9609 Process: 10nm FinFET</p> <p>Multi-core Octa CPU (Main) Cortex®-A73 2.2GHz Dual</p> <p>Learn more Compare</p>	Category	Part Number	Mobile	S5P9609	 <p>Exynos 7904</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E7904</td> </tr> </tbody> </table> <p>Model: Exynos 7904 Process: 14nm FinFET</p> <p>Multi-core Octa CPU (Main) Cortex®-A73 1.8GHz Dual</p> <p>Learn more Compare</p>	Category	Part Number	Mobile	S5E7904	 <p>Exynos 7884</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E7885</td> </tr> </tbody> </table> <p>Model: Exynos 7884 Process: 14nm FinFET</p> <p>Multi-core Octa CPU (Main) Cortex®-A73 1.6GHz Dual</p> <p>Learn more Compare</p>	Category	Part Number	Mobile	S5E7885	 <p>Exynos 9810</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Mobile</td> <td>S5E9810</td> </tr> </tbody> </table> <p>Model: Exynos 9810 Process: 10nm FinFET</p> <p>Multi-core Octa CPU (Main) Custom CPU 2.9GHz Dual</p> <p>Learn more Compare</p>	Category	Part Number	Mobile	S5E9810
Category	Part Number																			
Mobile	S5P9609																			
Category	Part Number																			
Mobile	S5E7904																			
Category	Part Number																			
Mobile	S5E7885																			
Category	Part Number																			
Mobile	S5E9810																			

References:

- https://en.wikipedia.org/wiki/Samsung_Galaxy_S20
- <https://semiconductor.samsung.com/processor/mobile-processor/>
- https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices

In the example below the GUI of the first NIM (Weather App) is presented to a user on the electronic display with content received from the content reference.

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	 <p data-bbox="608 1139 1928 1392">Evidence that the processors are configured to access the first networked information monitor template, and to execute the first networked information monitor template such that the graphical user interface of the first networked information monitor is presented to a user on the electronic display having content received from the content reference is shown from the fact that all processors can run any software installed on the Accused Samsung Device after installation.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
<p>2. The client device of claim 1, wherein the first networked information monitor template further comprises control characteristics that define one or more controls that are usable by the user to interact with or control the first networked information monitor.</p>	<p>The Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the first networked information monitor template further comprises control characteristics that define one or more controls that are usable by the user to interact with or control the first networked information monitor.</p> <p>In the example below, the NIM (Weather app) is defined by a first NIM Template (within the APK file) which further comprises control characteristics that define one or more controls (e.g., Horizontally scrolling hourly forecast) that are usable by the user to interact or control the first NIM (e.g., left or right swipe to access desired hours of forecast).</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

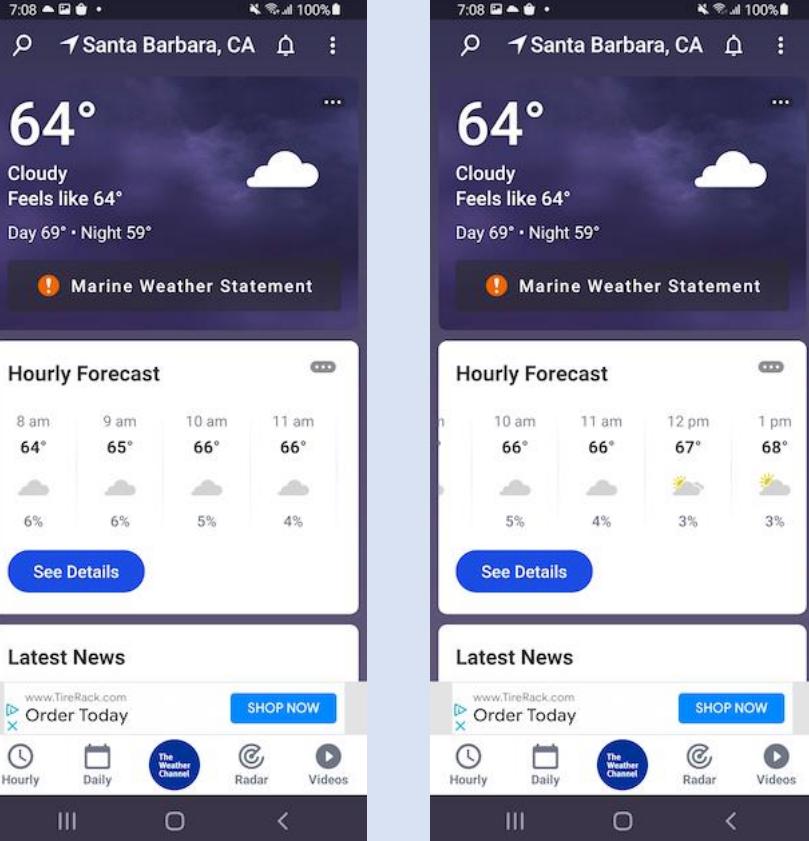
US 8,020,083	Accused Instrumentalities
	 <p>In Android development the UI is typically built using “Layouts” which define ‘Views’ which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul style="list-style-type: none"> “A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of View and ViewGroup objects. A View usually draws something the user can see and interact with.”

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> • <i>“Declare UI elements in XML. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i> <p><i>You can also use Android Studio’s Layout Editor to build your XML layout using a drag-and-drop interface.”</i></p> <ul style="list-style-type: none"> • <i>“Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations”</i> • <i>“The Android framework gives you the flexibility to use either or both of these methods to build your app’s UI. For example, you can declare your app’s default layouts in XML, and then modify the layout at runtime.”</i> • <i>“Write the XML. Using Android’s XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML”</i> <p>When developing for Android using Android Studio, Layouts are represented in the user interface as XML.</p> <p>Once the application is ready for installation on a device, it is converted to an APK file which is a zipped file containing all the project resources. By renaming these files as zip files (changing the file extension from .apk to .zip) the files can be unzipped. After unzipping the apk file, the contents can be viewed as a directory as shown in the image below. Note the resources in the /res directory. These are images used for the UI as well as XML files defining the UI in the NIM template.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

	▼	📁 The Weather Channel for Samsung
	>	📁 assets
	>	📁 com
	>	📁 junit
	>	📁 kotlin
	>	📁 lib
	>	📁 META-INF
	>	📁 okhttp3
	>	📁 org
	▼	📁 res
	>	📁 color
	>	📁 color-night-v8
	>	📁 color-v23
	>	📁 color-v31
	⌚	_N.xml
	🖼️	_3J.png
	🖼️	_40.webp
	⌚	_6U.xml
	⌚	_7Y.png
	⌚	_8A.xml
	⌚	_9A.xml
	🖼️	_9D.webp
	⌚	_9G.xml
	⌚	_9Y.xml
	🖼️	_48.webp
	🖼️	_68.9.png
	🖼️	_86.webp
	⌚	_A0.xml
	⌚	_BC.xml
	⌚	_cx.xml
	⌚	_dw.xml
	ⓘ	DZ.webp

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

File

color

- m3_text_button_ripple_color_selector.xml
- mtrl_tabs_ripple_color.xml
- mtrl_navigation_bar_ripple_color.xml
- m3_selection_control_ripple_color_selector.xml
- mtrl_chip_close_icon_tint.xml
- mtrl_tabs_colored_ripple_color.xml
- mtrl_navigation_bar_colored_ripple_color.xml
- video_chip_ripple_selector.xml
- mtrl_choice_chip_ripple_color.xml
- mtrl_text_btn_text_color_selector.xml
- mtrl_fab_ripple_color.xml
- mtrl_btn_ripple_color.xml

	Raw File Size	Download Size	% of Total Download Size
34 KB	34 KB	0.1%	
445 B	445 B	0%	
418 B	418 B	0%	
418 B	418 B	0%	
375 B	375 B	0%	
349 B	349 B	0%	
332 B	332 B	0%	
332 B	332 B	0%	
326 B	326 B	0%	
324 B	324 B	0%	
323 B	323 B	0%	
322 B	322 B	0%	
322 B	322 B	0%	

APK Project

Emulator

Device File Explorer

```
<?xml version="1.0" encoding="utf-8"?>
<selector
    xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:state_checkable="false"
        android:state_pressed="true"
        android:color="@attr/0x7f040115"
        android:alpha="@ref/0x7f07036b" />
    <item
        android:state_focused="true"
        android:color="@attr/0x7f040115"
        android:alpha="@ref/0x7f07036b" />
</selector>
```

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities																																							
	<p>File</p> <pre> > lib res xql.webp Bfr.webp OAx.webp x4k.webp hSe.webp _4O.webp P7-.gif H_o.webp 1wd.webp sq_.webp hv7.gif </pre> <p>Raw File Size Download Size% of Total Download Size</p> <table> <tbody> <tr> <td>44.8 MB</td> <td>16.1 MB</td> <td>39.4%</td> </tr> <tr> <td>7.5 MB</td> <td>7.3 MB</td> <td>17.8%</td> </tr> <tr> <td>314.6 KB</td> <td>314.7 KB</td> <td>0.8%</td> </tr> <tr> <td>295 KB</td> <td>292.3 KB</td> <td>0.7%</td> </tr> <tr> <td>255.4 KB</td> <td>250.2 KB</td> <td>0.6%</td> </tr> <tr> <td>202.4 KB</td> <td>202.5 KB</td> <td>0.5%</td> </tr> <tr> <td>203.4 KB</td> <td>202 KB</td> <td>0.5%</td> </tr> <tr> <td>171 KB</td> <td>171 KB</td> <td>0.4%</td> </tr> <tr> <td>151.3 KB</td> <td>144.2 KB</td> <td>0.3%</td> </tr> <tr> <td>125.2 KB</td> <td>125.3 KB</td> <td>0.3%</td> </tr> <tr> <td>123.9 KB</td> <td>123.1 KB</td> <td>0.3%</td> </tr> <tr> <td>117.7 KB</td> <td>117.7 KB</td> <td>0.3%</td> </tr> <tr> <td>215.8 KB</td> <td>114.4 KB</td> <td>0.3%</td> </tr> </tbody> </table> <p>708x524 WEBP (32-bit color) 261.5 kB</p> <p>APK Project</p> <p>Emulator</p> <p>Device File Explorer</p>  <p>References</p> <ul style="list-style-type: none"> https://developer.android.com/develop/ui/views/layout/declaring-layout https://developer.android.com/studio/profile/apk-profiler https://developer.android.com/studio <p>In the following example, the resource defines a frame as part of the NIM template:</p>	44.8 MB	16.1 MB	39.4%	7.5 MB	7.3 MB	17.8%	314.6 KB	314.7 KB	0.8%	295 KB	292.3 KB	0.7%	255.4 KB	250.2 KB	0.6%	202.4 KB	202.5 KB	0.5%	203.4 KB	202 KB	0.5%	171 KB	171 KB	0.4%	151.3 KB	144.2 KB	0.3%	125.2 KB	125.3 KB	0.3%	123.9 KB	123.1 KB	0.3%	117.7 KB	117.7 KB	0.3%	215.8 KB	114.4 KB	0.3%
44.8 MB	16.1 MB	39.4%																																						
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215.8 KB	114.4 KB	0.3%																																						

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<p>WCQ.xml 3 KB 3 KB 0%</p> <p>M7w.xml 3 KB 3 KB 0% Selected</p> <p>rkw.webp 3 KB 3 KB 0%</p> <p>IT1.webp 2.9 KB 3 KB 0%</p> <p>mHC.webp 2.9 KB 2.9 KB 0%</p> <p>kiF.xml 2.9 KB 2.9 KB 0%</p> <p>r3c.png 3 KB 2.9 KB 0%</p> <p>34N.png 2.9 KB 2.9 KB 0%</p> <p>fdx.xml 2.9 KB 2.9 KB 0%</p> <p>P79.xml 2.9 KB 2.9 KB 0%</p> <p>eSu.png 2.9 KB 2.9 KB 0%</p> <p>1 <?xml version="1.0" encoding="utf-8"?></p> <p>2 <FrameLayout</p> <p>3 xmlns:android="http://schemas.android.com/apk/res/android"</p> <p>4 xmlns:app="http://schemas.android.com/apk/res-auto"</p> <p>5 android:background="@ref/0x0106000b"</p> <p>6 android:layout_width="-1"</p> <p>7 android:layout_height="-1"></p> <p>8</p> <p>9 <ScrollView</p> <p>10 android:gravity="0x11"</p> <p>11 android:id="@ref/0x7f0a08fc"</p> <p>12 android:paddingLeft="dimension(5121)"</p> <p>13 android:paddingTop="dimension(6145)"</p> <p>14 android:paddingRight="dimension(2561)"</p> <p>15 android:scrollbars="0x0"</p> <p>16 android:layout_width="-1"</p>

Viewing the contents of that XML file, shows how the frame of the NIM Template on the Accused Samsung Device, defines various UI elements including the frame size, color and layouts of the various elements within this frame.

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@ref/0x0106000b"
    android:layout_width="-1"
    android:layout_height="-1">

    <ScrollView
        android:gravity="0x11"
        android:id="@ref/0x7f0a08fc"
        android:paddingLeft="dimension(5121)"
        android:paddingTop="dimension(6145)"
        android:paddingRight="dimension(2561)"
        android:scrollbars="0x0"
        android:layout_width="-1"
        android:layout_height="-1">

        <androidx.constraintlayout.widget.ConstraintLayout
```

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:orientation="1" android:id="@+ref/0x7f0a08f4" android:paddingBottom="dimension(51201)" android:layout_width="-1" android:layout_height="-2"> <TextView android:textSize="dimension(6146)" android:ellipsize="3" android:id="@+ref/0x01020016" android:layout_width="-2" android:layout_height="-2" android:layout_marginLeft="dimension(1281)" android:layout_marginRight="dimension(1281)" android:text="@+ref/0x7f120856" android:maxLines="2" android:layout_marginHorizontal="dimension(1281)" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toTopOf="0" style="@+ref/0x7f1306a7" /> <TextView android:textSize="dimension(4098)" android:id="@+ref/0x7f0a096f" android:layout_height="-2" android:layout_marginTop="dimension(1025)" android:text="@+ref/0x7f1208bd" android:layout_marginStart="@+ref/0x7f07064f" android:layout_marginEnd="@+ref/0x7f07064e" app:layout_constrainedWidth="true" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+ref/0x01020016" style="@+ref/0x7f1306a6" /> <TextView android:id="@+ref/0x7f0a0a2d" android:visibility="1" android:text="@+ref/0x7f120290" app:layout_constraintEnd_toEndOf="@+ref/0x7f0a0426" app:layout_constraintStart_toStartOf="@+ref/0x7f0a096f" app:layout_constraintTop_toBottomOf="@+ref/0x7f0a096f" style="@+ref/0x7f13027c" /> <TextView android:id="@+ref/0x7f0a042a" android:layout_marginTop="dimension(4097)" android:text="@+ref/0x7f1202fd" android:labelFor="@+ref/0x7f0a0427" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+ref/0x7f0a0a2d" style="@+ref/0x7f1306a1" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> <com.google.android.material.card.MaterialCardView android:id="@+ref/0x7f0a01c7" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0426" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a042a" style="@ref/0x7f1306a2"> <EditText android:id="@+ref/0x7f0a0427" android:maxLength="32" android:inputType="0x61" style="@ref/0x7f13069f" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@+ref/0x7f0a0426" android:contentDescription="@ref/0x7f1208b2" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c7" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01c7" style="@ref/0x7f1306a3" /> <TextView android:id="@+ref/0x7f0a0429" android:visibility="1" android:layout_width="dimension(1)" android:text="@ref/0x7f1208b1" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c7" style="@ref/0x7f1306a0" /> <TextView android:id="@+ref/0x7f0a03b4" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208ad" android:labelFor="@ref/0x7f0a03b1" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0429" style="@ref/0x7f1306a1" /> <com.google.android.material.card.MaterialCardView android:id="@+ref/0x7f0a01c4" app:layout_constraintEnd_toStartOf="@ref/0x7f0a03b0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b4" style="@ref/0x7f1306a2"> <EditText android:id="@+ref/0x7f0a03b1" android:inputType="0x21" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> style="@ref/0x7f13069f" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@ref/0x7f0a03b0" android:contentDescription="@ref/0x7f1208af" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c4" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01c4" style="@ref/0x7f1306a3" /> <TextView android:id="@ref/0x7f0a03b3" android:layout_width="dimension(1)" android:text="@ref/0x7f1208ac" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c4" style="@ref/0x7f1306a0" /> <TextView android:id="@ref/0x7f0a0298" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208a6" android:labelFor="@ref/0x7f0a0296" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a03b3" style="@ref/0x7f1306a1" /> <com.google.android.material.card.MaterialCardView android:id="@ref/0x7f0a01a9" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0295" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0298" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputEditText android:id="@ref/0x7f0a0296" android:longClickable="false" android:inputType="0x21" android:textIsSelectable="false" style="@ref/0x7f13069f" /> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@ref/0x7f0a0295" android:contentDescription="@ref/0x7f1208a8" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01a9" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01a9" style="@ref/0x7f1306a3" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> <TextView android:id="@+id/0x7f0a0297" android:layout_width="dimension(1)" android:text="@+id/0x7f1208ac" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/0x7f0a01a9" style="@+id/0x7f1306a0" /> <TextView android:id="@+id/0x7f0a0703" android:layout_marginTop="@+id/0x7f070642" android:text="@+id/0x7f1208b8" android:labelFor="@+id/0x7f0a06fe" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/0x7f0a0297" style="@+id/0x7f1306a1" /> <androidx.cardview.widget.CardView android:id="@+id/0x7f0a01cf" app:layout_constraintEnd_toStartOf="@+id/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@+id/0x7f0a0703" style="@+id/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@+id/0x7f0a0701" android:layout_width="-1" android:layout_height="-2" app:hintEnabled="false" app:passwordToggleEnabled="true" app:passwordToggleTint="@+id/0x7f0601d2"> <com.weather.Weather.ui.WeatherEditText android:id="@+id/0x7f0a06ff" android:maxLength="64" app:passwordToggleEnabled="true" app:passwordToggleTint="@+id/0x7f0601d2" style="@+id/0x7f1303ff" /> </com.google.android.material.textfield.TextInputLayout> </androidx.cardview.widget.CardView> <ImageView android:id="@+id/0x7f0a06fd" android:contentDescription="@+id/0x7f1208bb" app:layout_constraintBottom_toBottomOf="@+id/0x7f0a01cf" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@+id/0x7f0a01cf" style="@+id/0x7f1306a3" /> <TextView android:textStyle="0x0" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> android:textColor="@ref/0x7f06048a" android:id="@ref/0x7f0a0704" android:visibility="0" android:layout_width="dimension(1)" android:text="@ref/0x7f120605" android:contentDescription="@ref/0x7f120606" app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159" app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /> <TextView android:id="@ref/0x7f0a0700" android:visibility="2" android:layout_width="dimension(1)" android:text="@ref/0x7f120605" android:contentDescription="@ref/0x7f120606" app:layout_constraintBottom_toTopOf="@ref/0x7f0a0159" app:layout_constraintEnd_toEndOf="@ref/0x7f0a06fd" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01cf" style="@ref/0x7f1306a0" /> <androidx.constraintlayout.widget.Barrier android:id="@ref/0x7f0a0159" android:layout_width="-2" android:layout_height="-2" app:barrierDirection="3" app:constraint_referenced_ids="password_suggestion_textView,password_error_textView" /> <TextView android:id="@ref/0x7f0a02a0" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208a9" android:labelFor="@ref/0x7f0a029b" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0159" style="@ref/0x7f1306a1" /> <androidx.cardview.widget.CardView android:id="@ref/0x7f0a01aa" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0299" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a02a0" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@ref/0x7f0a029e" android:layout_width="-1" android:layout_height="-2" app:hintEnabled="false" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2"> <com.google.android.material.textfield.TextInputEditText android:id="@+ref/0x7f0a029b" android:longClickable="false" android:maxLength="64" android:textIsSelectable="false" app:passwordToggleContentDescription="@ref/0x7f120602" app:passwordToggleTint="@ref/0x7f0601d2" style="@ref/0x7f1303ff" /> </com.google.android.material.textfield.TextInputLayout> </androidx.cardview.widget.CardView> <ImageView android:id="@+ref/0x7f0a0299" android:contentDescription="@ref/0x7f1208ab" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01aa" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01aa" style="@ref/0x7f1306a3" /> <TextView android:id="@+ref/0x7f0a029d" android:layout_width="dimension(1)" android:text="@ref/0x7f1208b5" app:layout_constrainedWidth="true" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01aa" style="@ref/0x7f1306a0" /> <TextView android:id="@+ref/0x7f0a0457" android:layout_width="-2" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f120332" android:labelFor="@ref/0x7f0a0454" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a029d" style="@ref/0x7f1306a1" /> <ImageView android:id="@+ref/0x7f0a045b" android:layout_width="dimension(4097)" android:layout_height="dimension(4097)" android:layout_marginTop="dimension(1025)" android:src="@ref/0x7f080274" android:contentDescription="@ref/0x7f1203a6" android:layout_marginStart="dimension(2561)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0457" app:layout_constraintStart_toEndOf="@ref/0x7f0a0457" /> </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> <com.google.android.material.card.MaterialCardView android:id="@+ref/0x7f0a01c8" app:layout_constraintEnd_toStartOf="@ref/0x7f0a0453" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0457" style="@ref/0x7f1306a2"> <com.google.android.material.textfield.TextInputLayout android:id="@+ref/0x7f0a0455" app:boxBackgroundColor="@ref/0x0106000d" app:boxStrokeWidth="dimension(1)" app:endIconDrawable="@ref/0x7f080228" app:endIconTint="@ref/0x7f0601d2" style="@ref/0x7f130402"> <com.weather.Weather.ui.KeyValueDropDownView android:textColor="@ref/0x7f0604ff" android:id="@+ref/0x7f0a0454" android:background="@ref/0x00000000" android:inputType="0x1" style="@ref/0x7f130400" /> </com.google.android.material.textfield.TextInputLayout> </com.google.android.material.card.MaterialCardView> <ImageView android:id="@+ref/0x7f0a0453" android:contentDescription="@ref/0x7f1208b3" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a01c8" app:layout_constraintEnd_toEndOf="0" app:layout_constraintTop_toTopOf="@ref/0x7f0a01c8" style="@ref/0x7f1306a3" /> <CheckBox android:gravity="0x30" android:id="@+ref/0x7f0a08f3" android:paddingTop="dimension(769)" android:layout_width="-2" android:layout_height="-2" android:layout_marginTop="@ref/0x7f070642" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01c8" style="@ref/0x7f1306a6" /> <TextView android:id="@+ref/0x7f0a01e7" android:layout_width="dimension(1)" android:layout_height="-2" android:layout_marginStart="dimension(1793)" android:layout_marginEnd="@ref/0x7f07064e" android:labelFor="@ref/0x7f0a08f3" app:layout_constrainedWidth="true" </pre>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<pre> app:layout_constraintBottom_toBottomOf="@ref/0x7f0a08f3" app:layout_constraintEnd_toEndOf="0" app:layout_constraintStart_toEndOf="@ref/0x7f0a08f3" app:layout_constraintTop_toTopOf="@ref/0x7f0a08f3" /> <TextView android:id="@ref/0x7f0a0a35" android:layout_marginTop="dimension(1537)" android:text="@ref/0x7f1208c3" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a01e7" style="@ref/0x7f1306a0" /> <Button android:textColor="@ref/0x7f060501" android:id="@ref/0x7f0a0192" android:background="@ref/0x7f080071" android:layout_marginTop="dimension(7681)" android:text="@ref/0x7f120850" android:key="sign_up_button" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0a35" style="@ref/0x7f130004" /> <TextView android:id="@ref/0x7f0a0122" android:layout_width="-2" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1206c9" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0192" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a05a6" android:text="@ref/0x7f12083b" android:layout_marginStart="dimension(2049)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a0122" app:layout_constraintStart_toEndOf="@ref/0x7f0a0122" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f0601c2" android:id="@ref/0x7f0a017b" android:visibility="2" android:layout_width="-1" android:layout_marginTop="@ref/0x7f070642" android:layout_marginStart="@ref/0x7f07064f" android:layout_marginEnd="@ref/0x7f07064e" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a0122" </pre>

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US 8,020,083	Accused Instrumentalities
	<pre> style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a09bd" android:layout_marginTop="@ref/0x7f070642" android:text="@ref/0x7f1208c4" android:paddingEnd="dimension(2561)" app:layout_constraintStart_toStartOf="0" app:layout_constraintTop_toBottomOf="@ref/0x7f0a017b" style="@ref/0x7f1306a6" /> <TextView android:id="@ref/0x7f0a038e" android:text="2" android:importantForAccessibility="2" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd" app:layout_constraintStart_toEndOf="@ref/0x7f0a09bd" app:layout_constraintTop_toTopOf="@ref/0x7f0a09bd" style="@ref/0x7f1306a6" /> <TextView android:textColor="@ref/0x7f06000a" android:id="@ref/0x7f0a0787" android:text="@ref/0x7f1208be" android:paddingStart="dimension(2561)" app:layout_constraintBottom_toBottomOf="@ref/0x7f0a09bd" app:layout_constraintStart_toEndOf="@ref/0x7f0a038e" style="@ref/0x7f1306a6" /> </androidx.constraintlayout.widget.ConstraintLayout> </ScrollView> <ProgressBar android:layout_gravity="0x11" android:id="@ref/0x7f0a0792" android:visibility="1" android:layout_width="@ref/0x7f070691" android:layout_height="@ref/0x7f070691" android:contentDescription="@ref/0x7f1208f8" android:indeterminateTint="@ref/0x7f06045f" /> </FrameLayout> </pre>
3. The client device of claim 2, wherein the control characteristics define visual representations of the	The Accused Instrumentalities employs and provides the client device where the control characteristics define visual representations of the controls that are included in the graphical user interface of the first networked information monitor.

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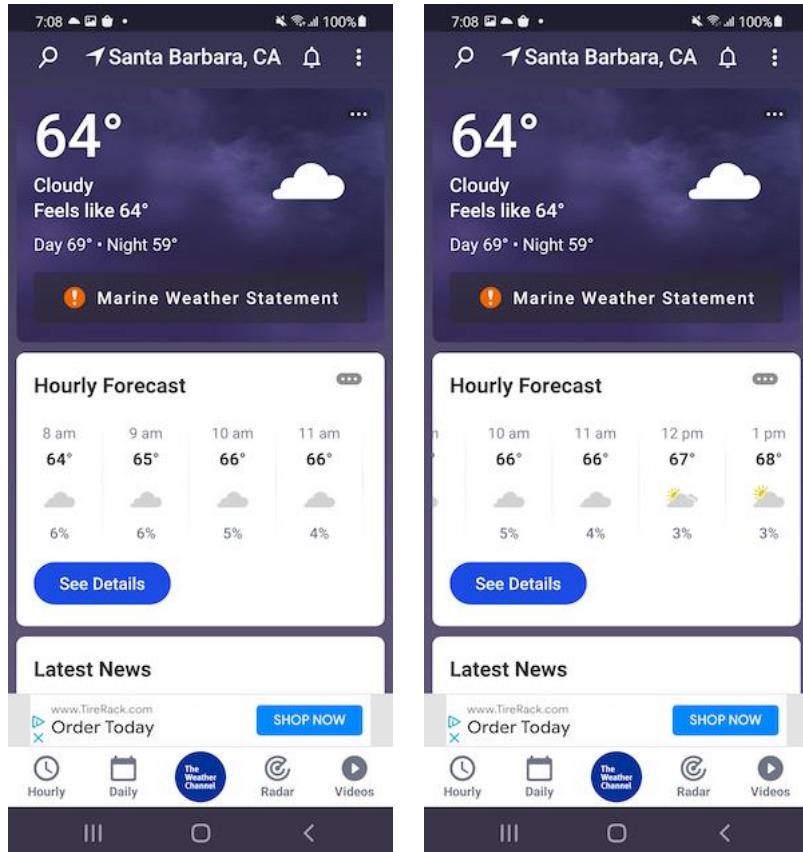
US 8,020,083	Accused Instrumentalities
<p>controls that are included in the graphical user interface of the first networked information monitor.</p>	<p>In the example below the first NIM template (within the APK file) further comprises control characteristics that define one or more visual representations of the controls (e.g., Horizontally scrolling hourly forecast) that are included in the GUI of the first NIM (Weather Channel app). Note the horizontal scrolling example below, in the hourly forecast.</p> 

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

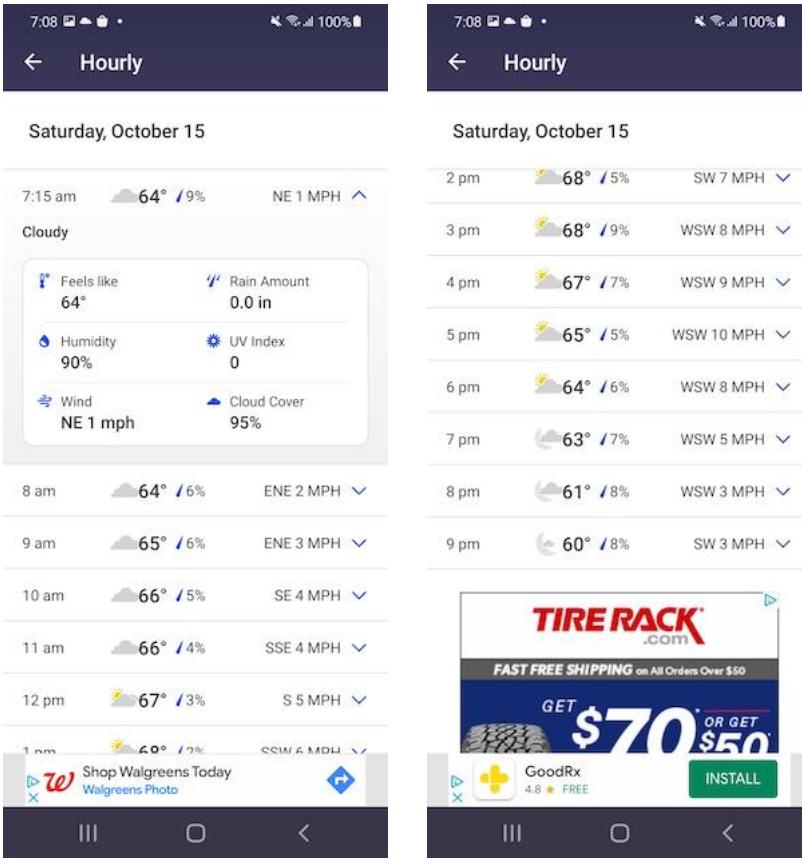
US 8,020,083	Accused Instrumentalities																																																								
	<p>And vertical scrolling as shown in the next example. The image below shows how the content can be scrolled vertically to display data for each hour of the day. The ability to scroll demonstrates that there are the control characteristics that define visual representations of the controls that are included in the graphical user interface of the first networked information mo</p> <div data-bbox="587 453 1389 1318">  <p>Left Screenshot (Top Half):</p> <table border="1"> <thead> <tr> <th>Time</th> <th>Condition</th> <th>Temperature</th> <th>Wind</th> </tr> </thead> <tbody> <tr> <td>7:15 am</td> <td>Cloudy</td> <td>64° / 9%</td> <td>NE 1 MPH</td> </tr> <tr> <td></td> <td></td> <td>Feels like 64°</td> <td>Rain Amount 0.0 in</td> </tr> <tr> <td></td> <td></td> <td>Humidity 90%</td> <td>UV Index 0</td> </tr> <tr> <td></td> <td></td> <td>Wind NE 1 mph</td> <td>Cloud Cover 95%</td> </tr> </tbody> </table> <p>Right Screenshot (Bottom Half):</p> <table border="1"> <thead> <tr> <th>Time</th> <th>Condition</th> <th>Temperature</th> <th>Wind</th> </tr> </thead> <tbody> <tr> <td>2 pm</td> <td>Cloudy</td> <td>68° / 5%</td> <td>SW 7 MPH</td> </tr> <tr> <td>3 pm</td> <td>Cloudy</td> <td>68° / 9%</td> <td>WSW 8 MPH</td> </tr> <tr> <td>4 pm</td> <td>Cloudy</td> <td>67° / 7%</td> <td>WSW 9 MPH</td> </tr> <tr> <td>5 pm</td> <td>Cloudy</td> <td>65° / 5%</td> <td>WSW 10 MPH</td> </tr> <tr> <td>6 pm</td> <td>Cloudy</td> <td>64° / 6%</td> <td>WSW 8 MPH</td> </tr> <tr> <td>7 pm</td> <td>Cloudy</td> <td>63° / 7%</td> <td>WSW 5 MPH</td> </tr> <tr> <td>8 pm</td> <td>Cloudy</td> <td>61° / 8%</td> <td>WSW 3 MPH</td> </tr> <tr> <td>9 pm</td> <td>Cloudy</td> <td>60° / 8%</td> <td>SW 3 MPH</td> </tr> </tbody> </table> </div>	Time	Condition	Temperature	Wind	7:15 am	Cloudy	64° / 9%	NE 1 MPH			Feels like 64°	Rain Amount 0.0 in			Humidity 90%	UV Index 0			Wind NE 1 mph	Cloud Cover 95%	Time	Condition	Temperature	Wind	2 pm	Cloudy	68° / 5%	SW 7 MPH	3 pm	Cloudy	68° / 9%	WSW 8 MPH	4 pm	Cloudy	67° / 7%	WSW 9 MPH	5 pm	Cloudy	65° / 5%	WSW 10 MPH	6 pm	Cloudy	64° / 6%	WSW 8 MPH	7 pm	Cloudy	63° / 7%	WSW 5 MPH	8 pm	Cloudy	61° / 8%	WSW 3 MPH	9 pm	Cloudy	60° / 8%	SW 3 MPH
Time	Condition	Temperature	Wind																																																						
7:15 am	Cloudy	64° / 9%	NE 1 MPH																																																						
		Feels like 64°	Rain Amount 0.0 in																																																						
		Humidity 90%	UV Index 0																																																						
		Wind NE 1 mph	Cloud Cover 95%																																																						
Time	Condition	Temperature	Wind																																																						
2 pm	Cloudy	68° / 5%	SW 7 MPH																																																						
3 pm	Cloudy	68° / 9%	WSW 8 MPH																																																						
4 pm	Cloudy	67° / 7%	WSW 9 MPH																																																						
5 pm	Cloudy	65° / 5%	WSW 10 MPH																																																						
6 pm	Cloudy	64° / 6%	WSW 8 MPH																																																						
7 pm	Cloudy	63° / 7%	WSW 5 MPH																																																						
8 pm	Cloudy	61° / 8%	WSW 3 MPH																																																						
9 pm	Cloudy	60° / 8%	SW 3 MPH																																																						

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.
4. The client device of claim 1, wherein the plurality of networked information monitor templates further comprises a second networked information monitor template defining a second networked information monitor, wherein the second networked information monitor template comprises:	Accused Instrumentalities employs and provides the client device, where the plurality of networked information monitor templates further comprises a second networked information monitor template defining a second networked information monitor. For example, the

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US 8,020,083	Accused Instrumentalities
	 <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

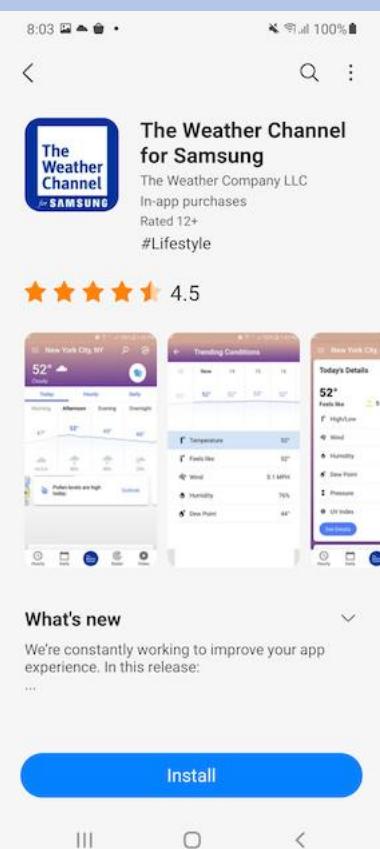
US 8,020,083	Accused Instrumentalities
(1) a second content reference that comprises a second network location, which is different from the network location in the content reference of the first networked information monitor template, at which content for the second networked information monitor is accessible via the TCP/IP protocol; and	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides a second content reference that comprises a second network location, which is different from the network location in the content reference of the first networked information monitor template, at which content for the second networked information monitor is accessible via the TCP/IP protocol.</p> 

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

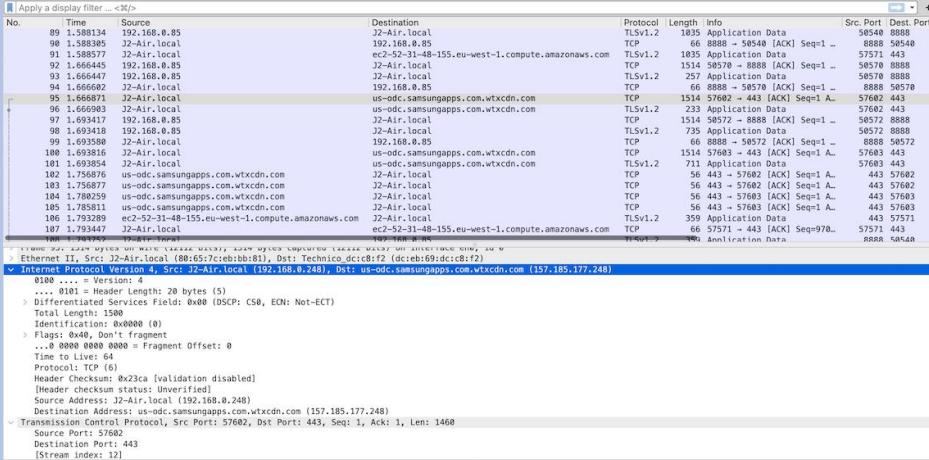
US 8,020,083	Accused Instrumentalities
	<p>The image below shows the network traffic captured during the app download process. The Samsung Device is running on IP address 192.168.0.85. It is running through a proxy server to enable the capturing of network traffic. The proxy server is J2-Air.local in the image below, which then relays the connection from the Samsung Device to the content servers. Note the use of the TCP/IP protocol for the packets.</p>  <p>One installed, we run the Weather Channel for Samsung app for the first time. This results in the following TCP/IP network traffic. For this example the proxy server is IP address 192.168.0.248 and the Samsung Device is running on IP address 192.168.0.85. These TCP/IP packets resulting from running the app are shown in the following three Wireshark screenshots. On information and belief, the network information template would obtain content from the network using a similar process.</p>

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ip.address==192.168.0.85 or ip.addr==192.168.0.248

ip.address==192.168.0.248 or ip.addr==192.168.0.85

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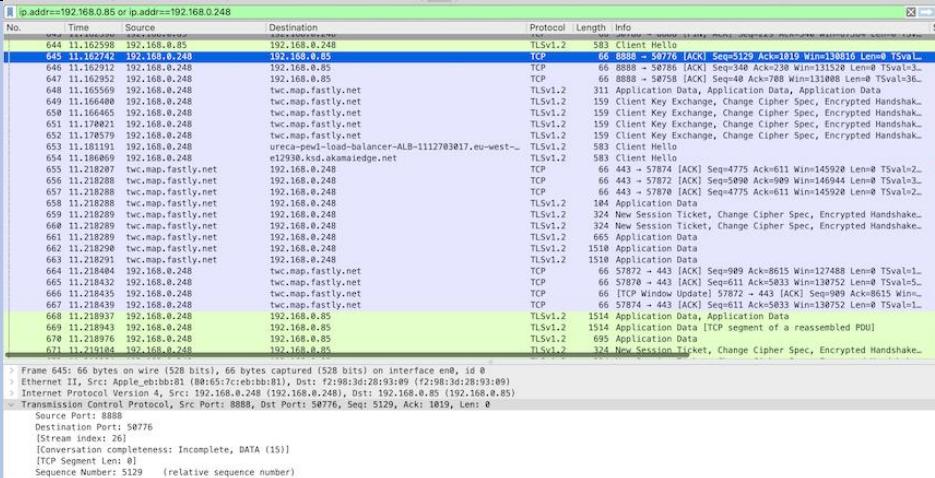
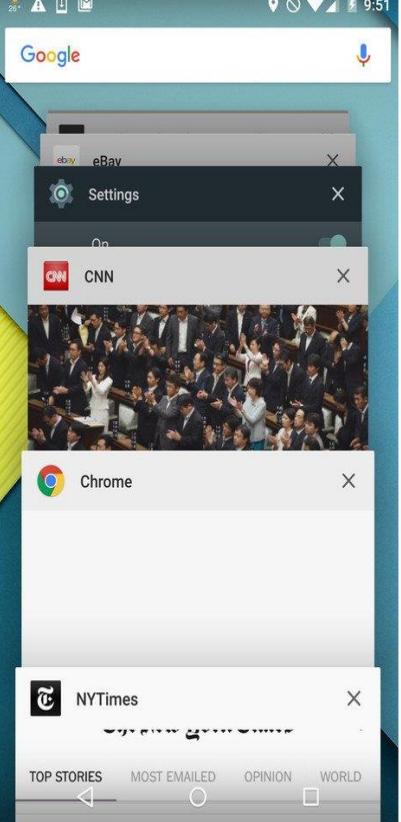
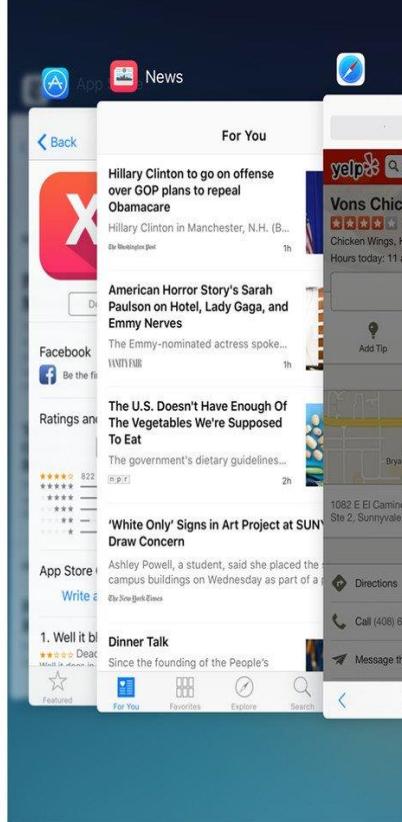
US 8,020,083	Accused Instrumentalities
	 <p>On information and belief a second networked information monitor template exist on the Accused Instrumentalities that would obtain content from a URL in a similar manner. Evidence of one or more NIM templates being used to generate apps is seen below.</p>

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US 8,020,083	Accused Instrumentalities
	 

Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.

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US 8,020,083	Accused Instrumentalities
<p>(2) a definition of a graphical user interface of the second networked information monitor that lacks controls for manually navigating a network, and that includes a second frame within which content received from the second network location can be displayed; and</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides a definition of the graphical user interface of the second networked information monitor that lacks control for manually navigating a network (e.g., not a browser), and that includes a second frame within which content received from the second network location can be displayed.</p> <p>In Android development the UI is typically built using “Layouts” which define ‘Views’ which are defined in XML and generally create elements the user can view and/or interact with.</p> <ul style="list-style-type: none"> “A layout defines the structure for a user interface in your app, such as in an activity. All elements in the layout are built using a hierarchy of View and ViewGroup objects. A View usually draws something the user can see and interact with.” <p>According to the Android documentation these elements are created with XML:</p> <ul style="list-style-type: none"> “<i>Declare UI elements in XML. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses, such as those for widgets and layouts.</i> <p><i>You can also use Android Studio's Layout Editor to build your XML layout using a drag-and-drop interface.</i></p> <ul style="list-style-type: none"> “<i>Declaring your UI in XML allows you to separate the presentation of your app from the code that controls its behavior. Using XML files also makes it easy to provide different layouts for different screen sizes and orientations</i>” “<i>The Android framework gives you the flexibility to use either or both of these methods to build your app's UI. For example, you can declare your app's default layouts in XML, and then modify the layout at runtime.</i>”

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US 8,020,083	Accused Instrumentalities
	<ul style="list-style-type: none"> • <i>"Write the XML. Using Android's XML vocabulary, you can quickly design UI layouts and the screen elements they contain, in the same way you create web pages in HTML"</i> <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>
(3) instructions configured (i) to cause the second networked information monitor to request content from the second network location in the second content reference via the TCP/IP protocol, and (ii) to cause the second networked information monitor to generate the graphical user interface of the second networked information monitor with the content	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides instructions configured to cause the second networked information monitor to request content from the second network location in the second content reference via the TCP/IP protocol, and to cause the second networked information monitor to generate the graphical user interface of the second networked information monitor with the content received from the second network location via the TCP/IP protocol within the frame.</p> <p>In the example below the Weather Channel for Samsung app is installed as shown in the image below left. Once installed the app can be opened, which, upon first run, will pop up a request for permission to access location. After granting location permission the app runs and automatically loads the weather for the current location, as shown below. Further on information and belief, content is requested from a network location via TCP/IP protocol.</p>

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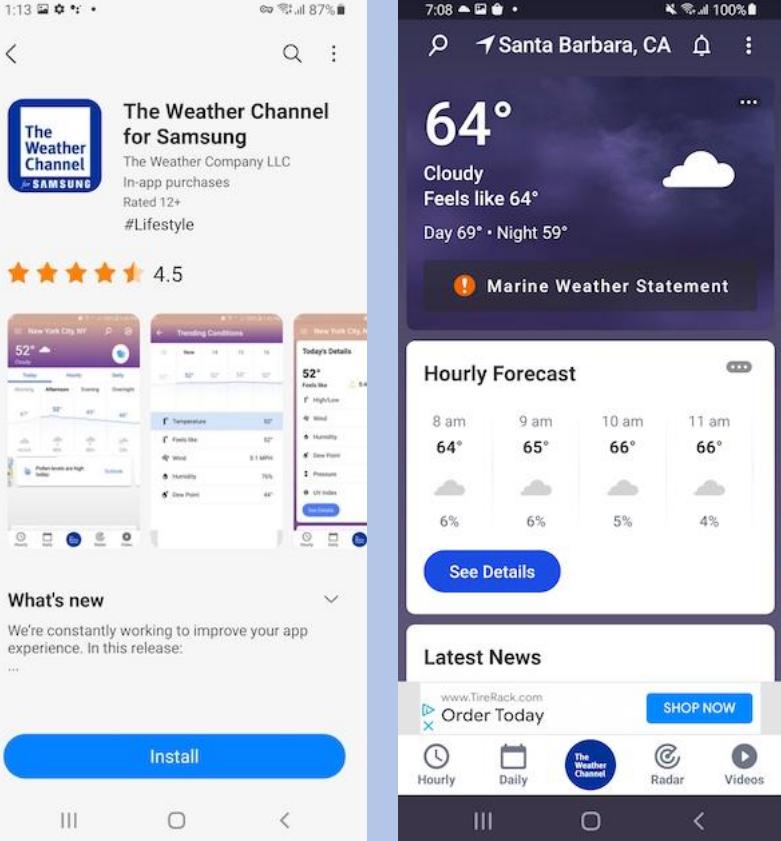
US 8,020,083	Accused Instrumentalities
<p>received from the second network location via the TCP/IP protocol within the frame.</p>	 <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities that obtains content from a second location. . Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and</p>

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US 8,020,083	Accused Instrumentalities
	belief, all variations of the Accused Instrumentalities operate in the same infringing manner. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.
5. The client device of claim 4, wherein the one or more processors are further configured to execute the second networked information monitor template such that the graphical user interface of the second networked information monitor is presented to the user on the electronic display separately and discretely from the user interface of the first networked information monitor, and having content therein received from	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to execute the second networked information monitor template such that the graphical user interface of the second networked information monitor is presented to the user on the electronic display separately and discretely from the user interface of the first networked information monitor, and having content therein received from the second content reference.</p> <p>Samsung Galaxy Phone processors shown below.</p>

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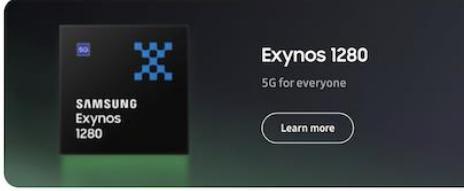
US 8,020,083	Accused Instrumentalities																																																																		
the second content reference.	<p>Processor / Mobile Processor</p> <p>Overview Features Product Finder Applications Related Contents Showcase</p> <h3>Latest Mobile Processors</h3> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Exynos 2200 Playtime is over</p> <p>Learn more</p> </div> <div style="text-align: center;">  <p>Exynos 1280 5G for everyone</p> <p>Learn more</p> </div> <div style="text-align: center;">  <p>Exynos 850 A versatile processor you can trust</p> <p>Learn more</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>Exynos 2200</p> </div> <div style="text-align: center;">  <p>Exynos 1280</p> </div> <div style="text-align: center;">  <p>Exynos 2100</p> </div> <div style="text-align: center;">  <p>Exynos 1080</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Category</th> <th style="text-align: left; padding: 5px;">Part Number</th> <th style="text-align: left; padding: 5px;">Category</th> <th style="text-align: left; padding: 5px;">Part Number</th> <th style="text-align: left; padding: 5px;">Category</th> <th style="text-align: left; padding: 5px;">Part Number</th> <th style="text-align: left; padding: 5px;">Category</th> <th style="text-align: left; padding: 5px;">Part Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Mobile</td> <td style="padding: 5px;">55E925</td> <td style="padding: 5px;">Mobile</td> <td style="padding: 5px;">55E8825</td> <td style="padding: 5px;">Mobile</td> <td style="padding: 5px;">55E9840</td> <td style="padding: 5px;">Mobile</td> <td style="padding: 5px;">55E9815</td> </tr> <tr> <td style="padding: 5px;">Model</td> <td style="padding: 5px;">Exynos 2200</td> <td style="padding: 5px;">Model</td> <td style="padding: 5px;">Exynos 1280</td> <td style="padding: 5px;">Model</td> <td style="padding: 5px;">Exynos 2100</td> <td style="padding: 5px;">Model</td> <td style="padding: 5px;">Exynos 1080</td> </tr> <tr> <td style="padding: 5px;">Process</td> <td style="padding: 5px;">4nm</td> <td style="padding: 5px;">Process</td> <td style="padding: 5px;">5nm</td> <td style="padding: 5px;">Process</td> <td style="padding: 5px;">5nm FinFET</td> <td style="padding: 5px;">Process</td> <td style="padding: 5px;">5nm FinFET</td> </tr> <tr> <td style="padding: 5px;">Multi-core</td> <td style="padding: 5px;">Octa</td> <td style="padding: 5px;">CPU (Main)</td> <td style="padding: 5px;">Single-core (Cortex®-X2)</td> <td style="padding: 5px;">Octa</td> <td style="padding: 5px;">CPU (Main)</td> <td style="padding: 5px;">Dual-core (Cortex®-A78)</td> <td style="padding: 5px;">Octa</td> <td style="padding: 5px;">CPU (Main)</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">2.8GHz Dual-core (Cortex®-A78)</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;"> Learn more </td> <td colspan="2" style="text-align: center; padding: 5px;"> Learn more </td> <td colspan="2" style="text-align: center; padding: 5px;"> Learn more </td> <td colspan="2" style="text-align: center; padding: 5px;"> Learn more </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;"> Compare </td> <td colspan="2" style="text-align: center; padding: 5px;"> Compare </td> <td colspan="2" style="text-align: center; padding: 5px;"> Compare </td> <td colspan="2" style="text-align: center; padding: 5px;"> Compare </td> </tr> </tbody> </table>	Category	Part Number	Category	Part Number	Category	Part Number	Category	Part Number	Mobile	55E925	Mobile	55E8825	Mobile	55E9840	Mobile	55E9815	Model	Exynos 2200	Model	Exynos 1280	Model	Exynos 2100	Model	Exynos 1080	Process	4nm	Process	5nm	Process	5nm FinFET	Process	5nm FinFET	Multi-core	Octa	CPU (Main)	Single-core (Cortex®-X2)	Octa	CPU (Main)	Dual-core (Cortex®-A78)	Octa	CPU (Main)									2.8GHz Dual-core (Cortex®-A78)	Learn more		Compare		Compare		Compare		Compare							
Category	Part Number	Category	Part Number	Category	Part Number	Category	Part Number																																																												
Mobile	55E925	Mobile	55E8825	Mobile	55E9840	Mobile	55E9815																																																												
Model	Exynos 2200	Model	Exynos 1280	Model	Exynos 2100	Model	Exynos 1080																																																												
Process	4nm	Process	5nm	Process	5nm FinFET	Process	5nm FinFET																																																												
Multi-core	Octa	CPU (Main)	Single-core (Cortex®-X2)	Octa	CPU (Main)	Dual-core (Cortex®-A78)	Octa	CPU (Main)																																																											
								2.8GHz Dual-core (Cortex®-A78)																																																											
Learn more		Learn more		Learn more		Learn more																																																													
Compare		Compare		Compare		Compare																																																													

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 880	 Exynos 850	 Exynos 990	 Exynos 980	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610
	Category Mobile	Part Number SS6880S	Category Mobile	Part Number SS6880D	Category Mobile	Part Number SS69830	Category Mobile	Part Number SS69830
	Model Exynos 880	Process 8nm FinFET	Model Exynos 850	Process 8nm FinFET	Model Exynos 990	Process 7nm FinFET	Model Exynos 980	Process 8nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A77 2.0GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A55	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A77 2.2GHz Dual
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 9609	 Exynos 7904	 Exynos 7884	 Exynos 9810				
	Category Mobile	Part Number S5E9609	Category Mobile	Part Number S5E7904	Category Mobile	Part Number S5E7885	Category Mobile	Part Number S5E9810
	Model Exynos 9609	Process 10nm FinFET	Model Exynos 7904	Process 14nm FinFET	Model Exynos 7884	Process 14nm FinFET	Model Exynos 9810	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A73 2.2GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 1.8GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A73 1.6GHz Dual	Multi-core Octa	CPU (Main) Custom CPU 2.9GHz Quad
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	
	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610				
	Category Mobile	Part Number S5E9825	Category Mobile	Part Number S5E9820	Category Mobile	Part Number S5E9611	Category Mobile	Part Number S5E9610
	Model Exynos 9825	Process 7nm FinFET	Model Exynos 9820	Process 8nm LP FinFET	Model Exynos 9611	Process 10nm FinFET	Model Exynos 9610	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities																											
	 <p>Exynos 9609</p> <table> <tbody> <tr> <td>Category Mobile</td> <td>Part Number SS9609</td> <td>Category Mobile</td> <td>Part Number SS97904</td> <td>Category Mobile</td> <td>Part Number SS97885</td> <td>Category Mobile</td> <td>Part Number SS99810</td> </tr> <tr> <td>Model Exynos 9609</td> <td>Process 10nm FinFET</td> <td>Model Exynos 97904</td> <td>Process 14nm FinFET</td> <td>Model Exynos 7884</td> <td>Process 14nm FinFET</td> <td>Model Exynos 9810</td> <td>Process 10nm FinFET</td> </tr> <tr> <td>Multi-core Octa</td> <td>CPU (Main) Cortex®-A73 2.2GHz Quad</td> <td>Multi-core Octa</td> <td>CPU (Main) Cortex®-A73 1.8GHz Dual</td> <td>Multi-core Octa</td> <td>CPU (Main) Cortex®-A73 1.6GHz Dual</td> <td>Multi-core Octa</td> <td>CPU (Main) Custom CPU 2.9GHz Quad</td> </tr> </tbody> </table> <p>Learn more Compare</p>  <p>Exynos 7904</p> <p>Learn more Compare</p>  <p>Exynos 7884</p> <p>Learn more Compare</p>  <p>Exynos 9810</p> <p>Learn more Compare</p>	Category Mobile	Part Number SS9609	Category Mobile	Part Number SS97904	Category Mobile	Part Number SS97885	Category Mobile	Part Number SS99810	Model Exynos 9609	Process 10nm FinFET	Model Exynos 97904	Process 14nm FinFET	Model Exynos 7884	Process 14nm FinFET	Model Exynos 9810	Process 10nm FinFET	Multi-core Octa	CPU (Main) Cortex®-A73 2.2GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 1.8GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A73 1.6GHz Dual	Multi-core Octa	CPU (Main) Custom CPU 2.9GHz Quad			
Category Mobile	Part Number SS9609	Category Mobile	Part Number SS97904	Category Mobile	Part Number SS97885	Category Mobile	Part Number SS99810																					
Model Exynos 9609	Process 10nm FinFET	Model Exynos 97904	Process 14nm FinFET	Model Exynos 7884	Process 14nm FinFET	Model Exynos 9810	Process 10nm FinFET																					
Multi-core Octa	CPU (Main) Cortex®-A73 2.2GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 1.8GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A73 1.6GHz Dual	Multi-core Octa	CPU (Main) Custom CPU 2.9GHz Quad																					

References:

- https://en.wikipedia.org/wiki/Samsung_Galaxy_S20
- <https://semiconductor.samsung.com/processor/mobile-processor/>
- https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices

The below example is a GUI of the first NIM (Weather Channel App) presented on the electronic display.

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities																
	 <p>7:08 100% •</p> <p>Santa Barbara, CA</p> <p>64°</p> <p>Cloudy</p> <p>Feels like 64°</p> <p>Day 69° • Night 59°</p> <p>Marine Weather Statement</p> <p>Hourly Forecast</p> <table border="1"><thead><tr><th>8 am</th><th>9 am</th><th>10 am</th><th>11 am</th></tr></thead><tbody><tr><td>64°</td><td>65°</td><td>66°</td><td>66°</td></tr><tr><td>Cloud</td><td>Cloud</td><td>Cloud</td><td>Cloud</td></tr><tr><td>6%</td><td>6%</td><td>5%</td><td>4%</td></tr></tbody></table> <p>See Details</p> <p>Latest News</p> <p>www.TireRack.com</p> <p>Order Today</p> <p>SHOP NOW</p> <p>Hourly Daily The Weather Channel Radar Videos</p> <p>III □ <</p> <p>On information and belief a second networked information monitor templates separate and aside from the exemplary weather channel app could exist on the Accused Instrumentalities. Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>	8 am	9 am	10 am	11 am	64°	65°	66°	66°	Cloud	Cloud	Cloud	Cloud	6%	6%	5%	4%
8 am	9 am	10 am	11 am														
64°	65°	66°	66°														
Cloud	Cloud	Cloud	Cloud														
6%	6%	5%	4%														

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

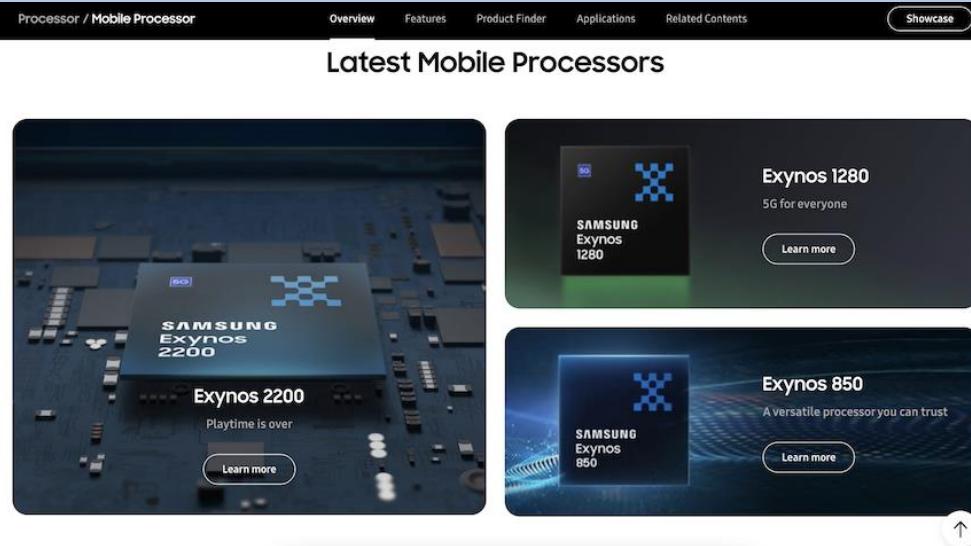
US 8,020,083	Accused Instrumentalities
<p>6. The client device of claim 1, wherein the one or more processors are further configured to transmit a request to a server for a further networked information monitor template responsive to reception of a user request for a further networked information monitor defined by the further networked information monitor template.</p>	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to transmit a request to a server for a further networked information monitor template responsive to reception of a user request for a further networked information monitor defined by the further networked information monitor template.</p> <p>Current Galaxy Phone processors are shown below.</p> 

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 2200	 Exynos 1280	 Exynos 2100	 Exynos 1080				
	Category Mobile	Part Number SS89925	Category Mobile	Part Number SS88825	Category Mobile	Part Number SS89840	Category Mobile	Part Number SS89815
	Model Exynos 2200	Process 4nm	Model Exynos 1280	Process 5nm	Model Exynos 2100	Process 5nm FinFET	Model Exynos 1080	Process 5nm FinFET
	Multi-core Octa	CPU (Main) Single-core (Cortex®-X2)	Multi-core Octa	CPU (Main) Dual-core (Cortex®-A78)	Multi-core Octa	CPU (Main) 2.9GHz Single-core (Cortex®-X1)	Multi-core Octa	CPU (Main) 2.8GHz Dual-core (Cortex®-A78)
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	
	 Exynos 880	 Exynos 850	 Exynos 990	 Exynos 980				
	Category Mobile	Part Number SS88805	Category Mobile	Part Number SS83830	Category Mobile	Part Number SS89830	Category Mobile	Part Number SS89830
	Model Exynos 880	Process 8nm FinFET	Model Exynos 850	Process 8nm FinFET	Model Exynos 990	Process 7nm FinFET	Model Exynos 980	Process 8nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A77 2.0GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A55	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A77 2.2GHz Dual
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610				
	Category Mobile	Part Number S5E9825	Category Mobile	Part Number S5E9820	Category Mobile	Part Number S5E9611	Category Mobile	Part Number S5E9610
	Model Exynos 9825	Process 7nm FinFET	Model Exynos 9820	Process 8nm LPP FinFET	Model Exynos 9611	Process 10nm FinFET	Model Exynos 9610	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 2.3GHz Quad
	Learn more	Compare	Learn more	Compare	Learn more	Compare	Learn more	Compare
	 Exynos 9609	 Exynos 7904	 Exynos 7884	 Exynos 9810				
	Category Mobile	Part Number S5E9609	Category Mobile	Part Number S5E7904	Category Mobile	Part Number S5E7885	Category Mobile	Part Number S5E9810
	Model Exynos 9609	Process 10nm FinFET	Model Exynos 7904	Process 14nm FinFET	Model Exynos 7884	Process 14nm FinFET	Model Exynos 9810	Process 10nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A73 2.2GHz Quad	Multi-core Octa	CPU (Main) Cortex®-A73 1.8GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A73 1.6GHz Dual	Multi-core Octa	CPU (Main) Custom CPU 2.9GHz Quad
	Learn more	Compare	Learn more	Compare	Learn more	Compare	Learn more	Compare

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610				
	Category: Mobile Model: Exynos 9825 Process: 7nm FinFET Multi-core: Octa CPU (Main): Custom CPU Dual	Category: Mobile Model: Exynos 9820 Process: 8nm LPP FinFET Multi-core: Octa CPU (Main): Custom CPU Dual	Category: Mobile Model: Exynos 9611 Process: 10nm FinFET Multi-core: Octa CPU (Main): Cortex®-A73 2.3GHz Quad	Category: Mobile Model: Exynos 9610 Process: 10nm FinFET Multi-core: Octa CPU (Main): Cortex®-A73 2.3GHz Quad				
	Learn more Compare							
	 Exynos 9609	 Exynos 7904	 Exynos 7884	 Exynos 9810				
	Category: Mobile Model: Exynos 9609 Process: 10nm FinFET Multi-core: Octa CPU (Main): Cortex®-A73 2.2GHz Quad	Category: Mobile Model: Exynos 7904 Process: 14nm FinFET Multi-core: Octa CPU (Main): Cortex®-A73 1.8GHz Dual	Category: Mobile Model: Exynos 7884 Process: 14nm FinFET Multi-core: Octa CPU (Main): Cortex®-A73 1.6GHz Dual	Category: Mobile Model: Exynos 9810 Process: 10nm FinFET Multi-core: Octa CPU (Main): Custom CPU 2.9GHz Quad				
	Learn more Compare							
<p>References:</p> <ul style="list-style-type: none"> • https://en.wikipedia.org/wiki/Samsung_Galaxy_S20 • https://semiconductor.samsung.com/processor/mobile-processor/ 								

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<ul style="list-style-type: none">• https://android.fandom.com/wiki/List of Samsung Galaxy devices <p>In the example below, are views of Galaxy phones with multiple apps available.</p>  <p>Source: CNET: "Here's every Galaxy S phone since 2010" accessed at https://www.cnet.com/pictures/evolution-history-samsung-galaxy-phones/</p> <p>On information and belief a the processors are configured such that p they can transmit a request to a server for a further networked information monitor template responsive to reception of a user request. Evidence of this is seen in the fact that multiple apps can run on the phone as seen below.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

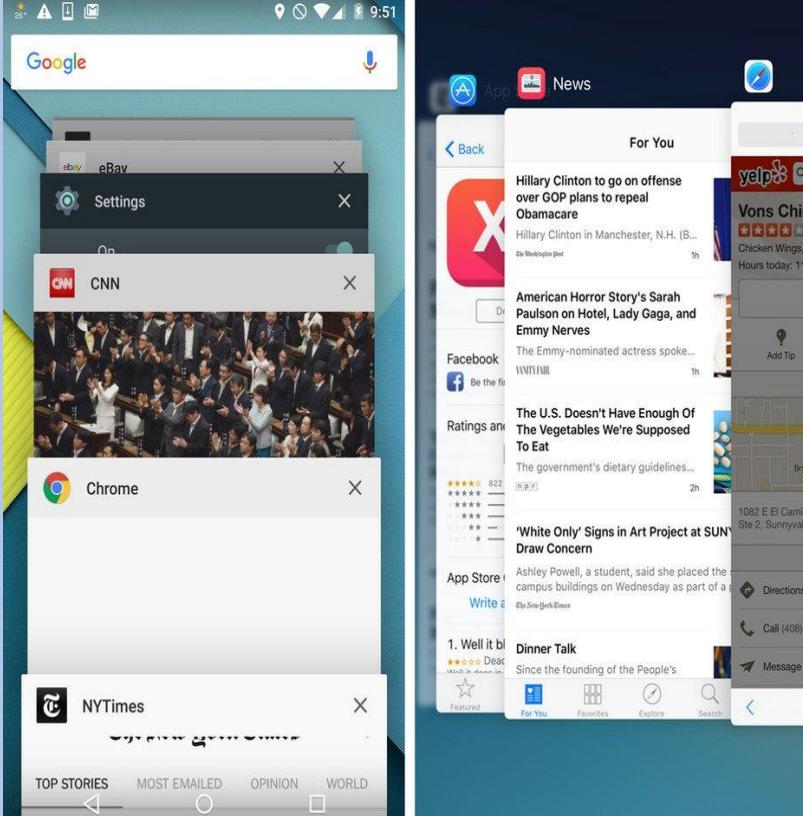
US 8,020,083	Accused Instrumentalities
	 <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
7. The client device of claim 6, wherein the electronic storage is configured to electronically store the received further networked information monitor template, responsive to reception of the further networked information monitor template from the server.	<p>On information and belief, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the electronic storage is configured to electronically store the received further networked information monitor template, responsive to reception of the further networked information monitor template from the server. Electronic storage can be reviewed in the device settings under (Battery and Device Care → Storage) as shown below. The overall storage is listed as well as that of specific network information monitors. This shows that the device can be configured to store NIM Templates.</p> <p>On information and belief that there are instances built into the structure of the Android System where all accused devices are configured to electronically store the NIM template responsive to the reception of the further NIM template from the server.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

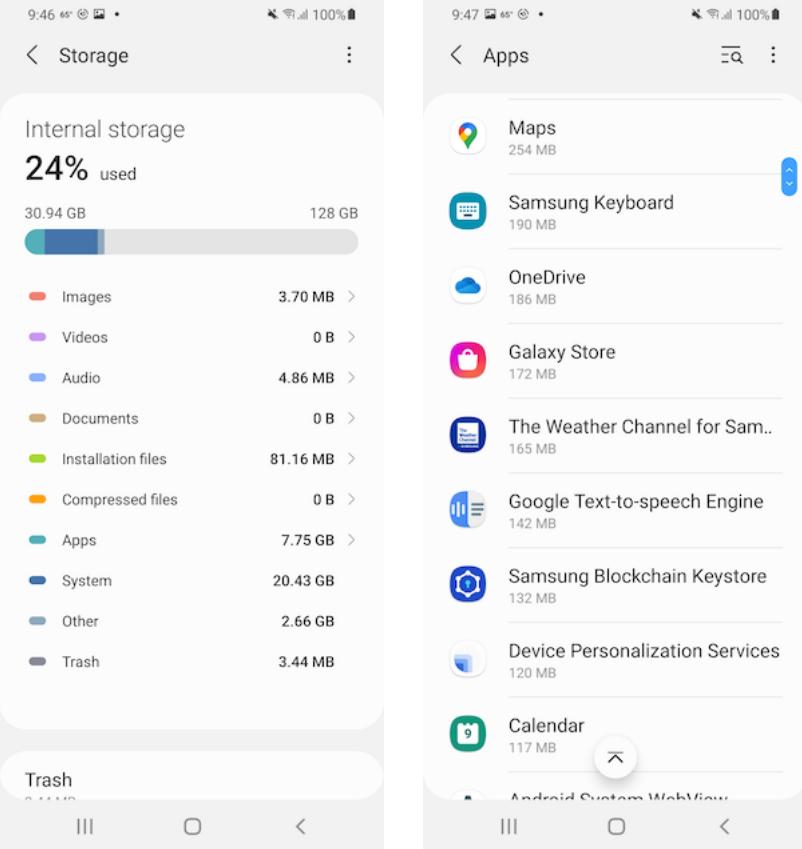
US 8,020,083	Accused Instrumentalities
	

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

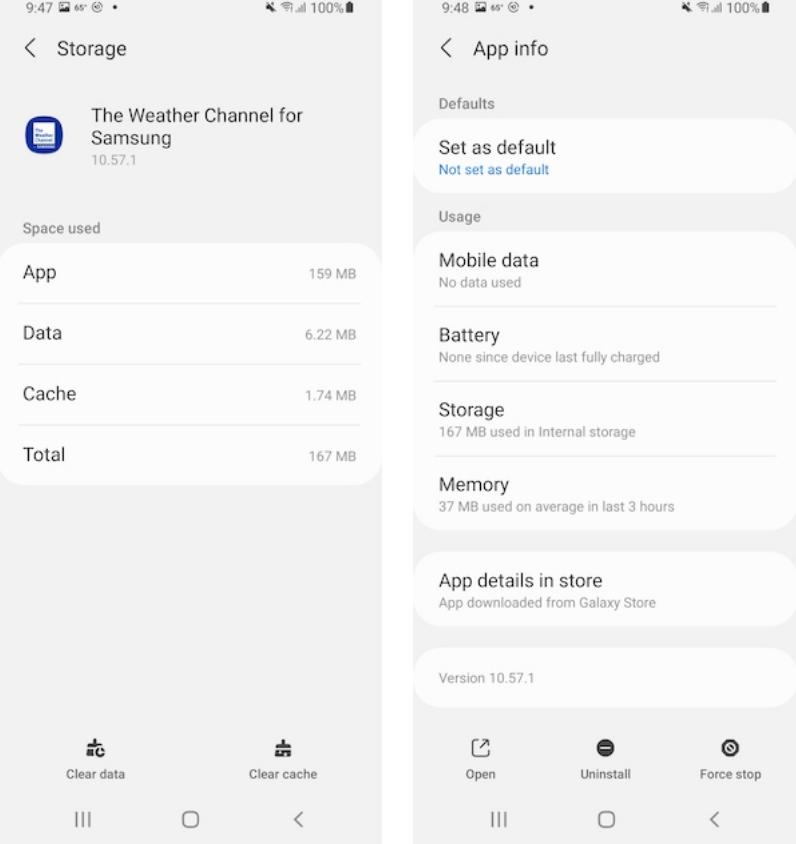
US 8,020,083	Accused Instrumentalities
	 <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

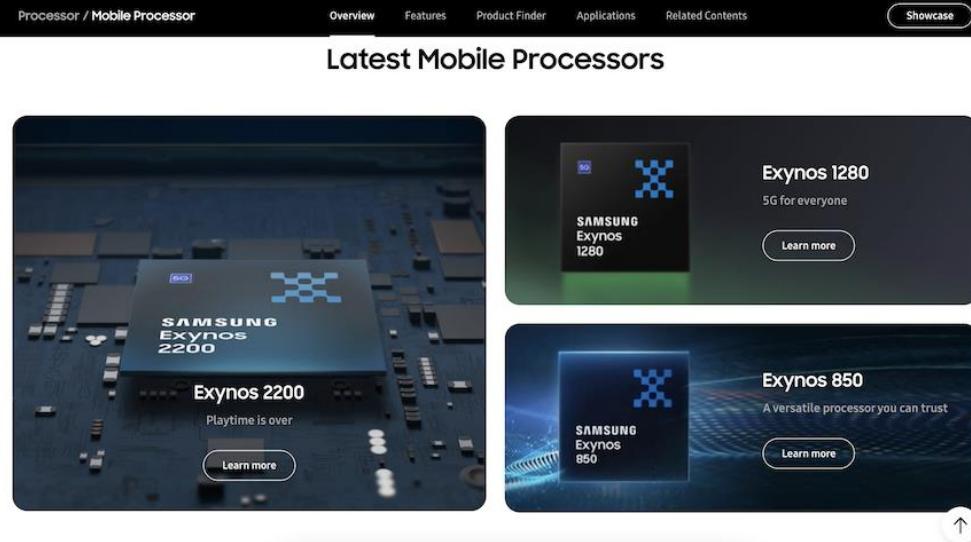
US 8,020,083	Accused Instrumentalities
8. The client device of claim 7, wherein the one or more processors are further configured to execute the further networked information monitor template.	<p>In the example below, the Accused Samsung Software in each and every Accused Samsung Device employs and provides the client device where the one or more processors are further configured to execute the further networked information monitor. Current Galaxy Phone processors are shown below.</p> 

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 2200	 Exynos 1280	 Exynos 2100	 Exynos 1080				
	Category Mobile	Part Number 5SE9925	Category Mobile	Part Number 5SE8825	Category Mobile	Part Number 5SE9840	Category Mobile	Part Number 5SE9815
	Model Exynos 2200	Process 4nm	Model Exynos 1280	Process 5nm	Model Exynos 2100	Process 5nm FinFET	Model Exynos 1080	Process 5nm FinFET
	Multi-core Octa	CPU (Main) Single-core (Cortex®- X2)	Multi-core Octa	CPU (Main) Dual-core (Cortex®- A78)	Multi-core Octa	CPU (Main) 2.9GHz Single-core (Cortex®-X1)	Multi-core Octa	CPU (Main) 2.8GHz Dual-core (Cortex®-A78)
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	
	 Exynos 880	 Exynos 850	 Exynos 990	 Exynos 980				
	Category Mobile	Part Number 5SE8805	Category Mobile	Part Number 5SE3830	Category Mobile	Part Number 5SE9830	Category Mobile	Part Number 5SE9830
	Model Exynos 880	Process 8nm FinFET	Model Exynos 850	Process 8nm FinFET	Model Exynos 990	Process 7nm FinFET	Model Exynos 980	Process 8nm FinFET
	Multi-core Octa	CPU (Main) Cortex®-A77 2.0GHz Dual	Multi-core Octa	CPU (Main) Cortex®-A55	Multi-core Octa	CPU (Main) Custom CPU Dual	Multi-core Octa	CPU (Main) Cortex®-A77 2.2GHz Dual
	Learn more		Learn more		Learn more		Learn more	
	Compare		Compare		Compare		Compare	

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 9825 Category: Mobile, Part Number: S5E9825 Model: Exynos 9825, Process: 7nm FinFET Multi-core: Octa, CPU (Main): Custom CPU Dual	 Exynos 9820 Category: Mobile, Part Number: S5E9820 Model: Exynos 9820, Process: 8nm LPP FinFET Multi-core: Octa, CPU (Main): Custom CPU Dual	 Exynos 9611 Category: Mobile, Part Number: S5E9611 Model: Exynos 9611, Process: 10nm FinFET Multi-core: Octa, CPU (Main): Cortex®-A73 2.3GHz Quad	 Exynos 9610 Category: Mobile, Part Number: S5E9610 Model: Exynos 9610, Process: 10nm FinFET Multi-core: Octa, CPU (Main): Cortex®-A73 2.3GHz Quad	 Exynos 9609 Category: Mobile, Part Number: S5E9609 Model: Exynos 9609, Process: 10nm FinFET Multi-core: Octa, CPU (Main): Cortex®-A73 2.2GHz Quad	 Exynos 7904 Category: Mobile, Part Number: S5E7904 Model: Exynos 7904, Process: 14nm FinFET Multi-core: Octa, CPU (Main): Cortex®-A73 1.8GHz Dual	 Exynos 7884 Category: Mobile, Part Number: S5E7885 Model: Exynos 7884, Process: 14nm FinFET Multi-core: Octa, CPU (Main): Cortex®-A73 1.6GHz Dual	 Exynos 9810 Category: Mobile, Part Number: S5E9810 Model: Exynos 9810, Process: 10nm FinFET Multi-core: Octa, CPU (Main): Custom CPU 2.9GHz Quad
	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities							
	 Exynos 9825	 Exynos 9820	 Exynos 9611	 Exynos 9610				
	Category: Mobile Model: Exynos 9825 Multi-core: Octa	Category: Mobile Model: Exynos 9820 Multi-core: Octa	Category: Mobile Model: Exynos 9611 Multi-core: Octa	Category: Mobile Model: Exynos 9610 Multi-core: Octa				
	Part Number: SSE9825 Process: 7nm FinFET CPU (Main): Custom CPU Dual	Part Number: SSE9820 Process: 8nm LPP FinFET CPU (Main): Custom CPU Dual	Part Number: SSE9611 Process: 10nm FinFET CPU (Main): Cortex®-A73 2.3GHz Quad	Part Number: SSE9610 Process: 10nm FinFET CPU (Main): Cortex®-A73 2.3GHz Quad				
	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare				
	 Exynos 9609	 Exynos 7904	 Exynos 7884	 Exynos 9810				
	Category: Mobile Model: Exynos 9609 Multi-core: Octa	Category: Mobile Model: Exynos 7904 Multi-core: Octa	Category: Mobile Model: Exynos 7884 Multi-core: Octa	Category: Mobile Model: Exynos 9810 Multi-core: Octa				
	Part Number: SSE9609 Process: 10nm FinFET CPU (Main): Cortex®-A73 2.2GHz Quad	Part Number: SSE7904 Process: 14nm FinFET CPU (Main): Cortex®-A73 1.8GHz Dual	Part Number: SSE7884 Process: 14nm FinFET CPU (Main): Cortex®-A73 1.6GHz Dual	Part Number: SSE9810 Process: 10nm FinFET CPU (Main): Custom CPU 2.9GHz Quad				
	Learn more Compare	Learn more Compare	Learn more Compare	Learn more Compare				
References:								
<ul style="list-style-type: none"> https://en.wikipedia.org/wiki/Samsung_Galaxy_S20 https://semiconductor.samsung.com/processor/mobile-processor/ 								

Exhibit B : Best Buy's Infringement of United States Patent No. 8,020,083

US 8,020,083	Accused Instrumentalities
	<ul style="list-style-type: none">• https://android.fandom.com/wiki/List_of_Samsung_Galaxy_devices <p>Furthermore, on information and belief, code, which is not publicly available, and apps on the Accused Instrumentalities will demonstrate that the Accused Instrumentalities meet this limitation. Additionally, on information and belief, all variations of the Accused Instrumentalities operate in the same infringing manner.</p>